



# **THE SAVANNAH STATE BULLETIN**

**1961-1962**

**ANNOUNCEMENTS, 1962-1963**

**SAVANNAH STATE COLLEGE  
SAVANNAH, GEORGIA**



## CORRESPONDENCE DIRECTORY

Correspondence should be addressed to officials at Savannah State College, State College Branch, Savannah, Georgia, as here indicated:

Inquiries pertaining to general administration, institutional policies, community services, and operation of the college as a whole .....The President

Requests for catalogs, transcripts, information about admission, courses offered, and graduation requirements .....The Registrar

Inquiries about loans, scholarships, and grant-in-aid assistance .....The Chairman, Scholarship Committee

Correspondence about financial matters, student accounts, and expenses .....The Comptroller

Inquiries concerning personal welfare of students, housing, work-aid assistance .....The Director  
Student Personnel Services

Inquiries about correspondence courses .....The Home Study Secretary

Correspondence about academic adjustment and progress of students, the curriculum, and faculty personnel .....The Dean of Faculty

Correspondence relating to Veterans Services .....The Veterans Secretary

Requests for general information about the college, publications, institutes, radio and TV programs .....Director, Public Relations

Requests for information about alumni affairs and alumni placements .....Alumni Secretary

# SAVANNAH STATE COLLEGE

CATALOGUE ISSUE



## BULLETIN—1961-1962

With Announcements For 1962 - 1963

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Volume XV

August, 1962

No. 8

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*Savannah State College, a unit of the University System of Georgia, is a College of applied Arts and Sciences, Teacher Education, Business Administration, and Engineering Technology.*

Accredited By

The Southern Association of Colleges and Schools; The State Department of Education; Approved by the Veterans Administration.

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## THE CALENDAR FOR 1962 - 63

1962

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6						1	2	3							
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29
30																					30	31					

1963

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1	2						1	2	3	4	5	6		
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30	28	29	30				
														31													
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1	2	3	4	5	6		1	2	3					
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	31
							30																				
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7							1	2						1	2	3	4	5	6	7	
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

## THE COLLEGE CALENDAR 1962 - 63

FALL QUARTER, 1962

## SEPTEMBER

5	Wednesday	Last day for filing admission applications and paying admission and room deposits
11	Tuesday	Last day for filing requests for refund of admission and room deposits
16	Sunday	Orientation week begins
17	Monday	Placement examinations: 8:30 a.m.-4:30 p.m.
18	Tuesday	Physical examinations, entering students
20	Thursday	Physical examinations, continuing students
20	Thursday	Registration for entering students

## SEPTEMBER

21	Friday	Registration for continuing students
24	Monday	Classes begin
24	Monday	Registration with payment of late fee
25	Tuesday	Last day for registration with payment of late fee
25	Tuesday	Last day for adding courses

## OCTOBER

5	Friday	Last day for dropping courses
18-19	Thursday-Friday	Examinations and reports for changing incomplete grades

## NOVEMBER

1-2	Thursday-Friday	Mid-quarter examinations
15	Thursday	Assembly: Honors Day
22-25	Thursday-Sunday	Thanksgiving recess
26	Monday	Classes resume
28-30	Wed.-Friday	Pre-registration for the winter quarter

## DECEMBER

1	Saturday	English qualifying examination
8	Saturday	Examination: History of the U. S. and Georgia
10	Monday	Classes end
11-14	Tuesday-Friday	Final examinations
14	Friday	Last day for filing admission applications and paying admission and room deposits for the winter quarter
14	Friday	Fall quarter ends: Christmas vacation begins at 5:20 p.m.
21	Friday	Last day for filing requests for refund of admission and room deposits

## WINTER QUARTER, 1963

## JANUARY

2	Wednesday	Registration for entering and continuing students
2	Wednesday	Placement examinations: 8:30 a.m.-4:30 p.m.
3	Thursday	Classes begin
3	Thursday	Registration with payment of late fee
4	Friday	Last day for registration with payment of late fee
7	Monday	Last day for adding courses
11	Friday	Last day for dropping courses
24-25	Thursday-Friday	Examinations and reports for changing incomplete grades
26	Saturday	Last day for filing application for June graduation
26	Saturday	Monday classes meet

## FEBRUARY

7-8	Thursday-Friday	Mid-quarter examinations
16	Saturday	National Teacher Examinations
23	Saturday	Constitutions examination
25-28	Mon.-Thursday	Pre-registration for the spring quarter

## MARCH

1	Friday	Last day for filing admission applications and paying admission and room deposits for the spring quarter
2	Saturday	English qualifying examination
8	Friday	Last day for filing requests for refund of admission and room deposits
8	Friday	Classes end
11-14	Mon.-Thursday	Final examinations
14	Thursday	Winter quarter ends at 5:20 p.m.
15-17	Friday-Sunday	Spring vacation

## SPRING QUARTER, 1963

## MARCH

18	Monday	Registration for entering and continuing students
18	Monday	Placement examinations: 8:30 a.m.-4:30 p.m.
19	Tuesday	Classes begin
20	Wednesday	Registration with payment of late fee
21	Thursday	Last day for registration with payment of late fee
22	Friday	Last day for adding courses
29	Friday	Last day for dropping courses

## APRIL

8-9	Monday-Tuesday	Examinations and reports for changing incomplete grades
12-15	Friday-Monday	Spring recess
16	Tuesday	Classes resume
20	Saturday	Graduate Record Examinations
23-24	Tues.-Wednesday	Mid-quarter examinations

## MAY

3	Friday	Sophomore comprehensive examinations
11	Saturday	English qualifying examination
21	Tuesday	Last day for filing admission applications and paying admission and room deposits for the summer quarter
23	Thursday	Assembly: Awards Day
30	Thursday	Classes end
31	Friday	Final examinations begin

## JUNE

1	Saturday	Last day for filing requests for refund of admission and room deposits
2	Sunday	Baccalaureate sermon
3-5	Mon.-Wednesday	Final examinations
4	Tuesday	Commencement
5	Wednesday	Spring quarter ends

## SUMMER QUARTER, 1963

Regular Session:	June 10 - August 16
Six-week Session:	June 10 - July 19
Four-week Session:	July 22 - August 16

# REGENTS, UNIVERSITY SYSTEM OF GEORGIA

244 Washington Street, S. W. — Fourth Floor

## ATLANTA

<i>District</i>	<i>Regent</i>	<i>Address</i>
State at Large	James A. Dunlap.....	Home Federal Building, Gainesville February 19, 1960 - January 1, 1967
State at Large	Allen Woodall, President, Radio Station WDAK.....	Columbus February 13, 1957 - January 1, 1964
State at Large	Roy V. Harris.....	Southern Finance Bldg., Augusta February 19, 1960 - January 1, 1967
State at Large	James C. Owen, Jr.....	P. O. Box 116, Griffin January 11, 1961 - January 1, 1963
State at Large	Carey Williams.....	Greensboro January 1, 1962 - January 1, 1969
First	Anton F. Solms, Jr.....	Realty Building, Savannah January 1, 1962 - January 1, 1969
Second	John I. Spooner.....	Seldom Rest Farms, Donalsonville January 1, 1961 - January 1, 1968
Third	Howard H. Callaway.....	Pine Mountain January 1, 1958 - January 1, 1965
Fourth	Robert O. Arnold.....	P. O. Box 191, Covington January 1, 1956 - January 1, 1963
Fifth	Jesse Draper.....	Draper-Owens Realty Co., Grant Bldg., January 1, 1961 - January 1, 1968 Atlanta
Sixth	Linton D. Baggs, Jr., President, Bibb Transit Co. ....	Macon July 8, 1957 - January 1, 1964
Seventh	Ernest L. Wright, President, Darlington School.....	Box 353 February 6, 1959 - January 1, 1966 Rome
Eighth	James D. Gould.....	Gould Motor Company, Brunswick February 13, 1957 - January 1, 1964
Ninth	Morris M. Bryan, Jr.....	President, The Jefferson Mills February 3, 1959 - January 1, 1966 Jefferson
Tenth	W. Roscoe Coleman.....	Fleming Realty Co., P. O. Box 5188 January 1, 1958 - January 1, 1965 Augusta

## OFFICERS AND STAFF OF THE BOARD OF REGENTS

Chairman.....	Robert O. Arnold
Vice-Chairman .....	
Chancellor.....	Harmon W. Caldwell
Assistant to the Chancellor.....	John E. Sims*
Dir., Plant & Bus. Operations.....	J. H. Dewberry
Executive Secretary.....	L. R. Siebert
Treasurer.....	James A. Blissit
Dir. of Testing & Guidance.....	John R. Hills
Assoc. Dir., Test & Guidance.....	Harry S. Downs

\*On leave.

## OFFICERS OF ADMINISTRATION

- William K. Payne *President*  
A.B., Morehouse College; M.A., Columbia University; Litt.D., Allen University; advanced study, University of Minnesota and University of Chicago
- Timothy C. Meyers *Dean of Faculty*  
A.B., Lincoln University, Pa.; M.A., Columbia University; advanced study, Columbia University
- <sup>1</sup>Emanuel A. Bertrand *Comptroller*  
B.S., Hampton Institute
- Ben Ingersoll *Registrar*  
A.B., Morehouse College; M.A., Atlanta University; advanced study Catholic University of America
- Nelson R. Freeman *Chairman, Student Personnel Services*  
B.S., Savannah State College; M.A., Columbia University
- Elonnie J. Josey *Librarian*  
A.B., Howard University; M.A., Columbia University; M.S.L.S., State University of New York
- Wilton C. Scott *Director of Public Relations*  
A.B., Xavier University; advanced study, Catholic University of America, University of Colorado; M.A., New York University; advanced study, New York University
- <sup>2</sup>Prince A. Jackson *Alumni Secretary*  
B.S., Savannah State College; M.S., New York University; advanced study, New York University

## OFFICERS OF STUDENT PERSONNEL ADMINISTRATION

- Nelson R. Freeman *Chairman, Student Personnel Services & Dean of Men*  
B.S., Savannah State College; M.A., Columbia University
- Loreese E. Davis *Dean of Women*  
A.B., West Virginia State College; M.A., Columbia University; advanced study, Marshall College
- Paul Lawrence Taylor *Director of Testing and Guidance*  
A.B., Johnson C. Smith University; A.M., Hartford School of Education; M.Th., Western Theological Seminary; Ed.D., Indiana University
- Amjogollo E. Peacock *College Minister*  
B.S., Wilberforce University; B.D., Wilberforce University; M.A., Howard University; advanced study, New York University
- Stephen M. McDew, Jr. *College Physician*  
B.S., Savannah State College; M.D., Meharry Medical College

## OFFICERS OF INSTRUCTION

- Timothy C. Meyers *Dean of Faculty*  
A.B., Lincoln University, Pa.; M.A., Columbia University; advanced study, Columbia University

<sup>1</sup>Resigned, June 30, 1962.<sup>2</sup>On leave 1962-1963.



- Elonnie J. Josey *Librarian*  
A.B., Howard University; M.A., Columbia University; M.S.L.S.,  
State University of New York
- Hayward S. Anderson *Chairman, Division of Business Administration*  
B.S., Savannah State College; M.B.A., New York University;  
D.B.A., Harvard University
- Calvin L. Kiah *Chairman, Division of Education*  
A.B., Morgan State College; M.A., Columbia University; Ed.D.,  
Columbia University
- <sup>1</sup>Forrest O. Wiggins *Chairman, Division of Humanities*  
A.B., Butler University; M.A., University of Wisconsin;  
Ph.D., University of Wisconsin
- Booker T. Griffith *Chairman, Division of Natural Sciences*  
B.S., University of Pittsburgh; M.S., University of Pittsburgh; Ph.D.,  
University of Pittsburgh
- Elmer J. Dean *Chairman, Division of Social Sciences*  
A.B., Kentucky State College; M.A., Columbia University; Ed.D.,  
Columbia University
- <sup>1</sup>Clyde W. Hall *Chairman, Division of Technical Sciences*  
B.S., Savannah State College; M.S., Iowa State College;  
Ed.D., Bradley University
- William E. Griffin *Chairman, Division of Home Study*  
A.B., Morehouse College; advanced study, Iowa State College and  
Michigan State College
- Elson K. Williams *Coordinator, General Education*  
A.B., Morgan State College; M.A., Columbia University; Ed.D.,  
New York University
- Arthur Dwight *Principal, Sol C. Johnson Laboratory School*  
A.B., Savannah State College; M.A., University of Minnesota;  
advanced study, Ohio State University

## INSTRUCTIONAL STAFF

- Geraldine H. Abernathy *Assistant Professor of Physical Education*  
B.S., Xavier University; M.S., University of Wisconsin; advanced  
study, Northwestern University
- Hayward S. Anderson *Professor of Business Administration*  
B.S., Savannah State College; M.B.A., New York University;  
D.B.A., Harvard University
- Martha M. Avery *Assistant Professor of Home Economics*  
B.S., Princess Ann College; M.S., Columbia University; advanced  
study, Ohio State University
- Eddie B. Bivins *Instructor in Mechanical Drawing*  
B.S., Tuskegee Institute; M.A., Ohio State University; advanced study,  
Southern Illinois University
- Blanton E. Black *Assistant Professor of Social Sciences*  
A.B., Morris Brown College; B.D., Turner Theological Seminary;  
M.S., University of Chicago; advanced study, University of  
Havana; University of Chicago; Columbia University; General  
Theological Seminary

<sup>1</sup>Began work on June 12, 1961.

- Albertha E. Boston *Assistant Professor of Business Administration*  
A.B., Howard University; M.A., New York University; M.B.A., New York University; advanced study, University of Nebraska
- Sylvia E. Bowen *Assistant Professor of Mathematics*  
A.B., Hunter College; M.A., Columbia University
- <sup>1</sup>William H. M. Bowens *Assistant Professor of Business Administration*  
A.B., Morehouse College; M.A., Atlanta University; M.B.A., New York University.
- Coleridge A. Braithwaite *Professor of Fine Arts*  
A.B., Harvard College; A.M., Harvard University; S.M.E., Columbia University; Ed.D., Columbia University
- Arthur L. Brentson *Assistant Professor of English*  
B.S., Savannah State College; M.S., University of Wisconsin; advanced study, University of Wisconsin
- Leroy W. Brown *Assistant Professor of Auto Technology*  
B.S., South Carolina State College
- <sup>2</sup>Frederick D. Browne, II *Assistant Professor, Engineering Technology*  
B.S. in M.E., Northwestern Technological Institute; M.S., University of Michigan; advanced study, Brown University
- <sup>3</sup>Ethel J. Campbell *Assistant Professor of English*  
B.S., Savannah State College; M.A., Atlanta University; advanced study, North Carolina College and New York University
- <sup>2</sup>Cleveland A. Christophe *Professor of Economics*  
B.S., Arkansas A. M. & N. College; M.S., Atlanta University; M.Ed., University of Arkansas; Ph.D., South Dakota State College
- Mary Ella Clark *Assistant Professor of English*  
B.S., Albany State College; M.A., Columbia University; advanced study, Columbia University
- C. Vernon Clay *Associate Professor of Chemistry*  
B.S., Kansas State College; M.S., Kansas State College; advanced study, Iowa State College, Columbia University, and University of Michigan
- John B. Clemmons *Associate Professor of Mathematics*  
A.B., Morehouse College; M.S., Atlanta University; advanced study, University of Pittsburgh, University of Southern California
- Mollie N. Curtright *Assistant Professor of Home Economics*  
B.S., Kansas State College; M.S., University of Minnesota; advanced study, Cornell University
- Elmer J. Dean *Professor of Social Sciences*  
A.B., Kentucky State College; M.A., Columbia University; Ed.D., Columbia University
- Ella W. Fisher *Assistant Professor of Physical Education*  
B.S., Xavier University; M.Ed., Temple University; advanced study, Columbia University
- J. Randolph Fisher *Associate Professor of English*  
A.B., Howard University; M.A., Howard University; advanced study, Ohio State University, University of Oslo, Norway

<sup>1</sup>Resigned, June 15, 1962.

<sup>2</sup>Began work on June 12, 1961.

<sup>3</sup>Temporary appointment, 1961-1962.

- Albert E. Frazier *Assistant Professor of Physical Education*  
B.S., Tuskegee Institute; advanced study, New York University;  
M.A., Arizona State College
- Ida J. Gadsden *Assistant Professor of Education*  
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M.S.P.H., North Carolina College
- Samuel A. Gill *Instructor in Fine Arts*  
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- Joan L. Gordon *Professor of Social Sciences*  
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of Pennsylvania
- <sup>1</sup>Tribhuwan P. Goyal *Instructor in Business Administration*  
B.A., Agra University; M.A., Agra University; M.B.A., Atlanta  
University
- William E. Griffin *Assistant Professor of Social Sciences*  
A.B., Morehouse College; advanced study, Iowa State College and  
Michigan State College
- Booker T. Griffith *Professor of Biology*  
B.S., University of Pittsburgh; M.S., University of Pittsburgh; Ph.D.,  
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- <sup>2</sup>Clyde W. Hall *Professor of Industrial Education*  
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- Dorothy C. Hamilton *Assistant Professor of Education*  
B.S., Fort Valley State College; M.A., Atlanta University; advanced  
study, University of Kentucky
- Phillip J. Hampton *Assistant Professor of Fine Arts*  
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- <sup>3</sup>Thelma E. M. Harmond *Assistant Professor of Education*  
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- Florence F. Harrington *Assistant Professor of Fine Arts*  
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Columbia University
- Robert Holt *Assistant Professor of English*  
B.S., North Carolina A. and T. College; M.A., State University of  
Iowa; advanced study, George Peabody College for Teachers
- Raymond W. Hopson *Associate Professor of Physical Education*  
B.S., Hampton Institute; M.A., Ohio State University; Ph.D., Ohio  
State University
- Ben Ingersoll *Associate Professor of Business Administration*  
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Catholic University of America
- Eugene Jackson *Instructor in Building Construction Technology*  
B.S., Savannah State College; advanced study, Howard University

<sup>1</sup>Began work on September 15, 1961.<sup>2</sup>Began work on June 12, 1961.<sup>3</sup>On leave, June 12—December 31, 1961.

- <sup>1</sup>Prince A. Jackson *Assistant Professor of Physical Science*  
B.S., Savannah State College; M.S., New York University; advanced study, New York University and University of Kansas
- Howard M. Jason *Associate Professor of Spanish*  
A.B., Lincoln University Pa.; A.M., Columbia University; Ph.D., Universidad Inter-Americana
- Calvin L. Kiah *Professor of Education*  
A.B., Morgan State College; M.A., Columbia University; Ed.D., Columbia University
- Walter W. Leftwich *Assistant Professor of Physical Sciences*  
B.S., West Virginia State College; M.S.P.H.E., North Carolina College; advanced study, New York University
- Farnese H. Lumpkin *Assistant Professor of Fine Arts*  
B.S., Bluefield State College; M.A., State University of Iowa; advanced study, Western Reserve University, Ohio State University
- Marion D. Mendenhall *Instructor in Chemistry*  
B.S., South Carolina State A. and M. College; M.S., South Carolina State A. and M. College; advanced study, Oregon State College
- Walter A. Mercer *Associate Professor of Education*  
A.B., Fisk University; M.S., Indiana University; Ed.D., Indiana University
- Timothy C. Meyers *Associate Professor of English*  
A.B., Lincoln University (Pa.); M.A., Columbia University; advanced study, Columbia University
- Althea V. Morton *Assistant Professor of French*  
A.B., Spelman College; M.A., Atlanta University; advanced study, New York University
- <sup>2</sup>William B. Nelson *Professor of Industrial Education*  
B.S., Alcorn A. and M. College; M.S., Iowa State College; advanced study, Wayne University and Stout Institute
- <sup>3</sup>Louise L. Owens *Assistant Professor of English*  
B.S., Savannah State College; M.A., University of Michigan; advanced study, New York University
- Zelia E. Owens *Instructor in Home Economics (Nursery School Director)*  
B.S., Fayetteville State College; M.A., Columbia University; advanced study, Columbia University
- Amjogollo E. Peacock *Assistant Professor of Social Sciences*  
B.S., Wilberforce University; B.D., Wilberforce University; M.A., Howard University; advanced study, New York University
- Wiley A. Perdue *Instructor in Business Administration*  
A.B., Morehouse College; M.B.A., Atlanta University
- Charles Philson *Instructor in Electronics Technology*  
B.S., Savannah State College; advanced study, RCA Television Institute

<sup>1</sup>On leave, 1962-1963.<sup>2</sup>Retired on June 15, 1962.<sup>3</sup>On leave, 1961-1962.



- Robert Pindar *Instructor in Electrical Technology*  
B.S., Tuskegee Institute
- <sup>1</sup>Charles Pratt *Professor of Chemistry*  
B.S., Langston University; M.S., University of Oklahoma; Ph.D.,  
University of Oklahoma
- Marcelle E. Rhodriquez *Instructor in Business Administration*  
B.S., Florida A. and M. University; M.S., Indiana University
- Margaret C. Robinson *Instructor in Biology*  
B.S., Savannah State College; M.S., University of Michigan; advanced  
study, Washington State University
- Maurice S. Stokes *Associate Professor of Education*  
B.S., Kansas State Teachers College; M.S., Kansas State Teachers  
College; advanced study, University of Chicago
- Paul L. Taylor *Professor of Education*  
A.B., Johnson C. Smith University; A.M., Hartford School of Edu-  
cation; M.Th., Western Theological Seminary; Ed.D., Indiana  
University
- Evanel R. Terrell *Associate Professor of Home Economics*  
B.S., University of Iowa; M.S., University of Iowa; Graduate Dieti-  
tian's Diploma, Michigan State College; advanced study, Freed-  
man's Hospital and University of Chicago
- Frank D. Tharpe *Assistant Professor of Industrial Education*  
B.S., Savannah State College; advanced study, Cornell University;  
M.S., Iowa State College
- James Thompson, Jr. *Instructor in Fine Arts*  
B.S., North Carolina College; M.M.Ed., University of Michigan
- Amater Z. Traylor *Itinerant Teacher Trainer, Industrial Education*  
A.B., Morehouse College; M.A., Atlanta University; advanced study,  
University of Chicago and Carnegie Institute of Technology
- <sup>2</sup>Willie G. Tucker *Associate Professor of Chemistry*  
B.S., Tuskegee Institute; M.S., Tuskegee Institute; Ph.D., University  
of Oklahoma
- Luetta C. Upshur *Assistant Professor of English*  
A.B., Fort Valley State College; M.A., Atlanta University; advanced  
study, Middlebury College and University of Kansas City
- Richard K. Washington *Assistant Professor of Physical Education*  
B.S., State University of Iowa; M.S., State University of Iowa;  
advanced study, State University of Iowa
- <sup>3</sup>Velma V. Watters *Assistant Professor of Education*  
A.B., Clark College; M.A., Columbia University; advanced study,  
University of Chicago, George Peabody College for Teachers;  
Columbia University
- <sup>4</sup>Forrest O. Wiggins *Professor, Languages and Literature*  
A.B., Butler University; M.A., University of Wisconsin; Ph.D., Uni-  
versity of Wisconsin

<sup>1</sup>Began work on September 15, 1961.<sup>2</sup>Began work on June 11, 1962.<sup>3</sup>On leave, 1961-1962.<sup>4</sup>Began work on June 12, 1961.



- Elson K. Williams *Professor of Social Sciences*  
A.B., Morgan State College; M.A., Columbia University; Ed.D., New York University
- John Leod Wilson *Professor of Education*  
B.S., Kansas State College; M.A., University of Kansas; Ed.D., Indiana University
- Martha W. Wilson *Assistant Professor of Mathematics*  
B.S., University of Minnesota; M.A., University of Minnesota; advanced study, University of Minnesota
- W. Vergil Winters *Professor of Physical Sciences*  
A.B., State University of Iowa; M.A., Ohio State University; advanced study, Ohio State University
- Joseph H. Wortham *Assistant Professor of Biology*  
A.B., Howard University; M.A., Ohio State University; advanced study, Ohio State University
- Theodore A. Wright, Sr. *Associate Professor of Physical Education*  
A.B., Baker University; M.A., University of Michigan; advanced study, University of Illinois and Howard University

## LIBRARY STAFF

- <sup>1</sup>Ester B. Anderson *Instructor and Curriculum Materials & Serials Librarian*  
A.B., Fisk University; M.S.L.S., Atlanta University
- Madeline H. Dixon *Assistant Professor and Catalog Librarian*  
A.B., Fisk University; B.S.L.S., North Carolina College; M.S.L.S., University of Illinois
- Luella Hawkins *Associate Professor and Reference Librarian*  
B.S., Wilberforce University; B.S.L.S., Hampton Institute; advanced study, Columbia University and University of Cincinnati
- Elonnie J. Josey *Associate Professor and Librarian*  
A.B., Howard University; M.A., Columbia University; M.S.L.S., State University of New York
- Althea M. Williams *Assistant Professor and Circulation Librarian*  
A.B., Fort Valley State College; B.S.L.S., Atlanta University; M.S.L.S., Syracuse University

## STUDENT PERSONNEL STAFF

- Loreese E. Davis *Dean of Women*  
A.B., West Virginia State College; M.A., Columbia University; advanced study, Marshall College
- Nelson R. Freeman *Director, Student Personnel Services & Dean of Men*  
B.S., Savannah State College; M.A., Columbia University
- Gertrude Holmes *College Nurse*  
B.S., Savannah State College; R.N., Charity Hospital and Training School for Nurses
- Louise Lester *Director, Camilla Hubert Hall*
- Stephen M. McDew, Jr. *College Physician*  
B.S., Savannah State College; M.D., Meharry Medical College

<sup>1</sup>Resigned, April 30, 1962.

Amjogollo E. Peacock	<i>College Minister</i>
B.S., Wilberforce University; B.D., Wilberforce University; M.A., Howard University; advanced study, New York University	
Marcelle E. Rhodriquez	<i>Assistant in Student Personnel &amp; Counsellor, Camilla Hubert Hall</i>
B.S., Florida A. and M. University; M.S., Indiana University	
Paul L. Taylor	<i>Director of Testing and Guidance</i>
A.B., Johnson C. Smith University; A.M., Hartford School of Education; M.Th., Western Theological Seminary; Ed.D., Indiana University	
Claytae H. Watson	<i>Director, Wright Hall</i>
Shaw University	

### BUSINESS STAFF

<sup>1</sup> Emanuel A. Bertrand	<i>Comptroller</i>
B.S., Hampton Institute	
Felix J. Alexis	<i>Superintendent of Buildings and Grounds</i>
A.B., Xavier University	
Susie M. Blake	<i>Manager, College Snack Bar</i>
Alvin Collins	<i>Manager, Warehouse</i>
B.S., Savannah State College	
Varnetta Frazier	<i>Dietitian</i>
Savannah State College	
Doris L. Harris	<i>Cashier</i>
B.S., Savannah State College	
Johnnie M. Hill	<i>Budget Assistant</i>
B.S., Savannah State College; advanced study, Omaha University	
George W. Miller	<i>Bookkeeper</i>
B.S., Savannah State College; advanced study, New York University	
Prince Mitchell	<i>Bookkeeper</i>
B.S., Savannah State College	
Armicie B. Sanderson	<i>Switchboard Operator</i>
Alice B. Williams	<i>Postmistress</i>
B.S., Savannah State College	
Freddie M. Williams	<i>Manager, Bookstore</i>
B.S., Savannah State College	

### CLERICAL STAFF

Iona L. Brooks	<i>Secretary, Education and Research Offices</i>
B.S., Catholic College of Oklahoma	
Helen Dennis	<i>Secretary, Buildings &amp; Grounds</i>
National School of Business, Nashville, Tennessee	
Bernice E. Hall	<i>Secretary to the Comptroller</i>
B.S., Savannah State College	
Alethia G. Harris	<i>Secretary to the President</i>
Y.W.C.A. Business School, New York; Savannah State College	
Josephine F. Hubert	<i>Faculty Secretary</i>
Boston Clerical College; B.S., Savannah State College	

<sup>1</sup>Resigned, June 30, 1962.

Willie Mae Julian B.S., Savannah State College	<i>Records Clerk, Registrar's Office</i>
Mildred E. Marquis B.S., Hampton Institute	<i>Secretary and Assistant to the Registrar</i>
Vernese D. Mikel B.S., Savannah State College	<i>Secretary to the Dean of Faculty</i>
Emma D. Murray B.S., Southern University	<i>Secretary, Student Personnel Office</i>
<sup>1</sup> Mary B. Pearson B.S., Savannah State College	<i>Supervisor, Division of Home Study</i>
Lillie A. Powell B.S., Savannah State College	<i>Secretary, Public Relations Office</i>
Rosemary Singleton B.S., Savannah State College	<i>Clerk, Public Relations Office</i>
Martha K. Stafford B.S., Savannah State College	<i>Secretary, Division of Technical Sciences</i>
Marjorie F. Wallace B.S., Savannah State College; advanced study, Syracuse University	<i>Secretary, Library</i>
Robertia G. Webb B.S., Savannah State College	<i>Supervisor, Division of Home Study</i>

### GEORGIA AGRICULTURAL EXTENSION SERVICE

Augustus Hill B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>State Agent</i>
Mattie T. Copeland B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>Area Supervisor</i>
<sup>2</sup> Alexander Hurse B.S., Savannah State College; M.S., South Carolina State College	<i>Area Supervisor</i>
K. C. Childers B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>Area Supervisor</i>
J. A. Demons B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>Area Supervisor</i>
M. C. Little B.S., Savannah State College; M.S., Iowa State College	<i>Assistant Club Agent</i>
Ann J. Postell B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>Area Supervisor</i>
Carrie B. Powell B.S., Savannah State College; advanced study, Prairie View A. & M. College	<i>Assistant Club Agent</i>
Vera D. Brown B.S., Savannah State College; advanced study, Columbia University	<i>Clerk</i>
Christine Cherry B.S., Fort Valley State College	<i>Clerk</i>
Mildred S. Washington Albany State College	<i>Clerk</i>

<sup>1</sup>Deceased, February 6, 1962.

<sup>2</sup>Retired, June 30, 1962.

## PURPOSES AND OBJECTIVES OF THE COLLEGE

Savannah State College, a unit of the University System of Georgia, is a college of applied arts and sciences, teacher education, business administration, and industrial technology.

The college has two main purposes. It affords students an opportunity to acquire an education that will enable them to live effectively in a democratic society. It provides continuing educational and cultural services for the people of Georgia.

A worth-while education, as the faculty conceives it, demands the full, rounded development of the individual. Consistent with this large purpose the institution has several major objectives. Specifically, the total college program is designed to help students:

1. To gain basic preparation, personal qualities, and skills which are essential alike to further study, earning a living, and personal well-being;
2. To understand the nature of mental, emotional, and physical health and to practice habits conducive to sound personal and community health;
3. To attain a sharp awareness of social and civic responsibility and live daily as good citizens;
4. To understand the common phenomena of man's physical environment and use scientific advances for human welfare;
5. To cherish a discerning knowledge of man's cultural heritage, respect for foreign peoples and cultures, and aesthetic appreciation of the creative artistic expressions of the human spirit;
6. To know and live by those moral and spiritual values which refine and exalt human life.

To attain these objectives the college (a) offers formal instruction organized within seven divisions—Business Administration, Education, Humanities, Natural Sciences, Social Sciences, Technical Sciences, Home Study; (b) selects and upgrades teachers, counsellors, personnel workers, administrative and auxiliary services personnel; (c) gives students due responsibility in making their own educational decisions and performing work-aid duties, participating in government of the college, extra-class activities, campus life, and religious services; (d) draws upon all available intellectual, cultural, technical, and spiritual resources to enrich the lives of students.

Briefly then, every teacher, every facility, every arrangement here serves two main purposes. It is that boys and girls may develop into mature men and women who live effectively in the community, the state, and nation. It is that life may be made richer for the people of Georgia.



## GENERAL INFORMATION

### History

By an Act of the General Assembly on November 26, 1890, the State of Georgia "established in connection with the State University, and forming one of the departments thereof, a school for the education and training of Colored Students. By the same Act, the Governor was empowered to appoint "five fit and discreet persons, residents of the State, to be known as the Commission on the School for Colored Students." This Commission was to "procure the grounds and buildings necessary for the establishment of the School," to prescribe a course of training to be provided for all the students in said school, "embracing the studies required by the Acts of the Congress of the United States, approved July 2, 1862, and August 30, 1890, making donations of public lands and the proceeds thereof to the States and Territories for educational purposes."

It was further enacted that "the said school, when so established, shall be a part of the University of Georgia," and the Commission named in the Act appointed by the Governor, "shall constitute the local Board of Trustees for the School, with perpetual succession." This Commission was given immediate control, supervision and management of the school, subject to the general Board of Trustees of the University of Georgia. The Chairman of the local Board of Trustees was made ex-officio member of the general Board of Trustees of the University, and the Chancellor of the University of Georgia was given general supervision of the school.

In the summer of 1891, from June 1 to August 1, by the direction of the Commission, Chancellor Boggs inaugurated in Baxter Street School building at Athens, Georgia, a preliminary session of the school which was conducted by Richard R. Wright, principal, and three other instructors. Later, in 1892, this school was styled by the Commission, "The Georgia State Industrial College for Colored Youths" and was located about five miles southeast of the courthouse of Savannah, Georgia, near Thunderbolt. For the permanent organization, the Commission selected a faculty consisting of a president, instructors in English, mathematics, natural science, a superintendent of the mechanical department, and a foreman of the farm.

During the thirty years Major Richard R. Wright was president, the enrollment increased from 8 to 585; the curriculum was built up to four years of high school training and a normal division of college work. Training was offered in agriculture and the mechanical arts. Starting the school with 86 acres of land (51 farm and 35 campus) on which were Boggs Hall, Parsons Hall, and a farm house, Major Wright added four frame trade buildings, Meldrim Hall (1896), Hill Hall (1901), a dairy barn and creamery (1904), a shoe repair shop, a laundry, and a home economics building (1915).

Several changes were made during the presidency of C. G. Wiley



(1921-1926). During his first term, the Commission admitted young women as boarders. The Smith-Lever, Smith-Hughes, and the Jeanes funds established headquarters at the College. The first regular summer school was conducted, June 26-August 4, 1922. In 1925 the General Assembly of Georgia changed the form of the governing body for the College from a Commission with "perpetual succession" to a Board of Trustees with a four-year term of office. The Governor appointed A. Pratt Adams, Savannah, Georgia, as chairman of the Board.

In 1926, Meldrim Hall, which had been burned, was rebuilt.

Under the leadership of Dr. Benjamin F. Hubert (1926-1947), the entire program was reorganized. The high school and normal departments were discontinued and the school became a four-year college, offering the bachelor's degree in agriculture and home economics.

In 1931, the State, upon the advice of a special Committee of authorities in education invited to make a study of the University System of education, placed the entire System under a Board of Regents. At that time the College began offering degree programs with majors in English, the natural sciences, social sciences, and business administration.

During the administration of Dr. Benjamin F. Hubert, the following buildings were added to the physical plant: Adams Hall (1931), Willie Powell Laboratory School (1932), shops for masonry and auto mechanics (1935), Morgan Hall (1936), Willcox Gymnasium (1936), Herty Hall (1937), Camilla Hubert Hall (1938), Information Cabin (1940), Community House (1941), Incubator House (1941), three teachers cottages, a cannery and farm shop building (1943), Trades Building (1947), and poultry houses for laying hens and growing chicks.

On July 1, 1947, Mr. James A. Colston became the fourth president of Georgia State College. Three temporary buildings were added to the physical plant: an infirmary operated by a full-time nurse and a physician; a fine arts building; and the College Center.

On September 1, 1949, Dean W. K. Payne became acting president of Georgia State College.

On January 18, 1950, the Regents of the University System of Georgia changed the name of the College from Georgia State College to Savannah State College.

On March 1, 1950, W. K. Payne became the fifth president of the College.

Under Dr. W. K. Payne's administration the College laundry, destroyed by fire in 1951, has been completely rebuilt; the College appropriation has been more than doubled; and the institution has been fully accredited by the Southern Association of Colleges and Secondary Schools. Moreover, a development plan for the College has been prepared. An extensive building program was begun in 1951; a sewage

disposal system, a central heating plant, a men's dormitory, the library, the technical sciences center, and Wiley Gymnasium have been completed. Hammond and Meldrim halls have been modernized. Herty Hall has been renovated, and the old library has been converted into a modern student center.

### **Location**

The college is located in Chatham County, adjacent to the town of Thunderbolt and to Savannah, Georgia's oldest city and chief seaport.

Regular bus service is maintained from downtown Savannah to the campus.

### **Academic Rating**

Savannah State College is accredited by the Southern Association of Colleges and Secondary Schools and by the Department of Education of the State of Georgia.

### **Credit**

Credit for course work is stated in terms of quarter hours. One quarter hour represents one hour a week of prepared work, or its equivalent, covering a period of twelve weeks. Not less than two hours of laboratory work is regarded as the equivalent of one hour of lecture and recitation.

### **The Library**

A modern, new library with a well prepared staff serves the college and community. It houses about thirty-four thousand well selected books and a variety of newspapers and periodicals. Approximately three thousand volumes are added yearly to keep the collection up to date.

This air-conditioned, modular structure provides excellent library facilities. There are two main reading rooms with open stacks, a seminar room, lounging area, audio-visual center, and a curriculum materials center. The latter affords prospective and in-service teachers an opportunity to examine and use recently published instructional materials. There is also a music room, equipped with individual ear-phones and recordings of the best music. The library is the cultural and intellectual center of the college and community.

### **Buildings And Grounds**

The campus, comprising one hundred and thirty-six acres, presents a setting of unique, natural beauty. There are thirty-five buildings. Recently completed structures are the new library and a multiple-unit technical sciences center.

The new technical sciences center provides adequate space and modern facilities for instruction in physical and technical sciences.

### Life On The Campus

Savannah State College makes a concerted effort to insure wholesome personal development and growth for those students who reside in its dormitories. Residence halls for men and for women are equipped with essential furniture. Students provide their own bed linen, blankets, towels, bedspreads, and scarfs.

Residential life of women students is supervised by the Dean of Women and head residents. Through dormitory clubs, the women students help to plan dormitory activities and participate in developing standards of conduct and determining social regulations for the groups.

Dormitory life for men is supervised by the Dean of Men and the head resident. Practice in democratic living is provided through dormitory organization, enabling the men to work with the staff in planning projects, stimulating achievement, and promoting optimum personal development.

*Out-of-town students who desire to live in the city must secure approval from the Dean of Men or the Dean of Women.*

### RELIGIOUS LIFE

Savannah State College puts great emphasis upon a rich and varied religious life program. Through its religious activities, the college seeks to develop an understanding of and an appreciation for the place of religion in everyday living, to deepen spiritual insight, and to make the practice of Christian principles a vital part of the life of the well educated citizen.

Weekly church and vesper services bring to the campus outstanding thinkers and leaders in religious and social living.

Religious life activities are directed by the College Minister. The Sunday School, YMCA and YWCA, the Newman Club, and the annual Religious Emphasis Week provide opportunities for religious growth and development, under the supervision of the Religious Life Committee.

### STUDENT PERSONNEL SERVICES

Student personnel services are coordinated through the Office of Student Personnel Services under the supervision of its Chairman. The Dean of Men and Dean of Women work with the Chairman to provide a broad program of educational, vocational, and personal guidance to aid students in making desirable adjustments throughout their college careers, and in gaining employment when they leave.

The scholastic, vocational, and social welfare of students is supervised and provisions are made for individual and group conferences to facilitate adjustment to college life.

### *Orientation*

The orientation program is under the supervision of the Office of Student Personnel Services. It is designed to assist new students in becoming acquainted with other students, with college regulations, with routine procedures, with campus traditions, with the opportunities offered for training here, and with specialized vocational guidance.

The program begins intensively during Freshman Week. It continues throughout the student's first year, in the weekly series of Freshman Lectures. Freshman Week meets the immediate informational needs of students entering the college. Freshman Lectures, required of freshmen and transfer students, is designed to facilitate the process of total adjustment to college and to life.

### *Counselling and Guidance*

A counselling and guidance service is provided for all students through the offices of the Dean of Men and the Dean of Women, and their staffs. Professional counselling and services are provided students in the following areas; admissions, scholarships, work aid, health, religious values, social activities, job placement, and general life planning. Advisors in all departments provide counselling for course registration and problems that arise in connection with the academic work and progress of students.

### *Health Services*

The college health services are maintained to improve and safeguard the health of students. These services are under the direct supervision of the school physician and the school nurse. Medical examinations, medical care, and health consultations are provided for all students. A modern, eighteen-bed infirmary is provided for students who require treatment or confinement for minor illness. The facilities of Charity Hospital in Savannah are also available to Savannah State College students.

### *Veterans Services*

All the curricula of Savannah State College are fully approved for Korean veterans, as well as for veterans of World War II.

In order to assist the large number of veterans who attend Savannah State College, a special staff worker, in the capacity of the Veterans Secretary, is employed. Before and in the process of registration, he assists in forwarding accurate information to the Veterans Administration. Throughout the year he counsels and informs veterans about regulations and directives peculiar to their status.

Each veteran who is enrolled for the first time is urged to forward his Certificate of Eligibility (VA-Form 1950 and VA Form 7-1990 July 1952 for Korean Veterans) to the Office of the Veterans Secre-



tary. Any veteran who does not have his approved VA-Forms at the time of initial registration will be required to make a deposit of \$55.00. This deposit will be refunded when the Certificate of Eligibility is presented to the Veterans Secretary.

Charges for room and board are payable in advance. Veterans who have not completed arrangements for subsistence payments must pay room and board from their own funds until such time as subsistence payments are received.

Veterans are urged to report personally to the Veterans Secretary at Savannah State College immediately after their admission to the college.

## STUDENT ORGANIZATIONS

Savannah State College contributes to the attainment of a well-rounded education by providing many opportunities for students to participate in a wide range of significant activities. Through the efforts of organized groups, programs are planned for the social, religious, and cultural advancement of the college community.

### *The Student Council*

The Student Council, composed of representatives of all classes, works with the administration in the government of the college. It works also with the various campus organizations and sponsors projects for the general welfare of the student body.

### *Music*

The choir, band, men's glee club, and women's glee club, are open for membership to all students interested in music. These groups perform not only locally, but are in constant demand for special programs throughout the state.

### *Journalism*

Students are trained in various phases of publicity by working with the College Press Service.

The *Tiger's Roar*, official student newspaper, is published every six weeks by students under supervision of the Public Relations Office.

The college yearbook, *The Tiger*, is a schoolwide student project which is published also through the Public Relations Office.

### *Clubs*

The following organizations also provide media for expression of student interests: Art Club, Boar's Head Club, Business Club, Camera Club, Collegiate Counsellors, Creative Dance Group, Debating Club, Dormitory Councils, Economics Club, Home Economics Club, Marshall Board, Newman Club, Savannah State College Players Guild,



Social Science Club, Student Loan Association, Student National Education Association (SNEA), Tiger's Roar, Varsity Club, YMCA, YWCA, and the Women's Council.

### *Fraternities, Sororities, and Honor Societies*

The following national social fraternities are organized on the campus: Alpha Phi Alpha, Omega Psi Phi, Phi Beta Sigma, and Kappa Alpha Psi.

The following national social sororities are organized on the campus: Alpha Kappa Alpha, Sigma Gamma Rho, Zeta Phi Beta, and Delta Sigma Theta.

The national honor societies, Alpha Kappa Mu and Beta Kappa Chi, have chapters on the campus.

These organizations sponsor rich and varied programs, designed for the intellectual and social development of all who take part. Informal socials are held regularly in the campus recreation rooms. Soirees are given at intervals by student groups, under faculty sponsorship, in Willcox Gymnasium.

### **Recreation And Sports**

The Department of Health and Physical Education conducts a well-rounded intramural athletic program of seasonal activities for men and for women. Utilizing group games and various sports for their full educational and health values, the program features football, basketball, track and field, tennis, boxing, golf, baseball, softball, volley-ball, field hockey, and badminton.

A member of the Southeastern Athletic Conference, Savannah State College maintains competition in all sports sponsored by the conference.

Savannah State College also holds membership in two national athletic associations: NCAA and NAIA.

Qualified instructors and leaders in the Department of Health and Physical Education, with headquarters in Willcox Gymnasium, provide training in the several aspects of the required activity program. Recreational activities, social dancing, and free exercise activities of the college are encouraged and centered in this area. The department works in close harmony with the administration and Personnel Council to help students use their leisure in healthful recreation.

### **Cultural Opportunities**

To complement formal education on the campus, the college provides many activities for cultural enrichment. Student assemblies, institutes, motion pictures, lectures, art exhibitions, dramatics, forums, athletic contests, hobby groups, and tours contribute to the general enrichment of the college community.

The Committee on Campus Cultural Activities brings to the campus each year renowned artists of the concert world. Yearly programs of

the College Artists Series usually include a vocalist, a pianist, a small group of singers, a large group of singers, and a dramatic group.

Each concert is followed by a reception in honor of the artists. All students are invited to attend these formal social functions, which afford inspiring association with great personalities of our times.

The Department of Fine Arts sponsors musical programs and art exhibitions throughout the school year. The Christmas and Easter concerts are outstanding events in the cultural program of the college.

### Community Services

Recognizing that a dynamic institution is inseparable from its community, both faculty and students of Savannah State College share daily in the constructive interests of Savannah and nearby towns. This college-community relationship is fostered chiefly through activities of the Music Department, the Division of Education, and the Office of Public Relations; through the College Artists Series; through lectures by staff persons, and individual membership in community organizations.

The Community House is a social center where campus and off campus groups meet for special functions.

## ADMISSION

Persons who are at least fifteen years of age and who present evidence of good moral character, adequate ability, sound health, and interest in a specific course of study are eligible to apply for admission to the several departments of the college.

### *Formal Application Required*

Each candidate for admission is required to make formal application and thereafter submit such credentials as may be needed to support the application. Admissions correspondence should be addressed to the

Director of Admissions  
Savannah State College  
State College Branch  
Savannah, Georgia

Transcripts and recommendations should be mailed directly from the applicant's former school to the Director of Admissions. The application form with instructions may be obtained by writing the Director of Admissions.

Savannah State College reserves the right to require that any applicant for admission shall take appropriate intelligence and aptitude tests in order to provide information bearing on his ability to pursue successfully courses of study in which he wishes to enroll and the right to reject any applicant who fails satisfactorily to meet such tests.

*The number of applicants each quarter generally exceeds the number that can be accommodated in dormitories and classrooms. To be assured due consideration for admission in any quarter, each applicant should see that all required credentials are submitted to the Director of Admissions at least six weeks before the quarter begins.*

#### *Admission to the Freshman Class*

1. An applicant may be admitted to the freshman class by certificate under the following conditions:
  - a. He must have graduated from an accredited secondary school.
  - b. The official transcript, mailed directly from the principal to the Director of Admissions, must present a distribution of at least fifteen entrance units.
  - c. He must be recommended by his principal.
  - d. Each applicant for admission is required to send with formal application blank a deposit of \$25.00. Check or money order may be made payable to Savannah State College. All applications for admission must be filed in the Office of the Registrar not less than twenty (20) days before registration for the quarter for which application is made.
  - e. All Applicants must produce evidence satisfactory to the Registrar's Office showing that such applicant has taken and achieved a score on the College Entrance Examination Board's Scholastic Aptitude Test acceptable to this Institution. Information on CEEB examinations may be obtained from high school principals, office of the Registrar (Savannah State College), or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey.
  - f. All applicants for admission must appear for a personal interview in order for admissions officer to determine applicant's sense of social responsibility, adjustment of personality, sturdiness of character, and general fitness for admission.
2. An applicant who has graduated from a non-accredited secondary school; or who has not completed the secondary school course, may qualify for admission to the freshman class through examinations.
  - a. Such applicant must have earned a satisfactory score on the CEEB examination or in entrance examinations administered at this college.
  - b. He must be recommended by his principal.

#### *Admission to Advanced Standing*

A limited number of transfer students may qualify for admission each quarter. General policies governing admission of transfer students and acceptance of credit towards advanced standing are as follows:

1. Each applicant who has attended another college shall present the following credentials to support his application:
  - a. A statement of honorable dismissal from the college last attended.
  - b. Official transcripts covering the complete college and secondary school records.
  - c. A personal letter giving full explanation of the applicant's reason for desiring to transfer to Savannah State College, his work experience, studies, activities, special interests, and plans for the future.
  - d. Applications for admission must be accompanied by a deposit of \$25.00. Check or money order may be made payable to Savannah State College. All applications must be filed in the Office of the Registrar not less than twenty (20) days before registration for the quarter for which application is made.
  - e. Applicants must produce evidence satisfactory to the Registrar's Office showing that such applicant has taken and achieved a score on the College Entrance Examination Board's Scholastic Aptitude Test acceptable to this institution. Information on CEEB examinations may be obtained from high school principals, Office of the Registrar (Savannah State College), or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey.
  - f. Applicants must appear for a personal interview in order that Admissions Officer may determine applicant's sense of social responsibility, adjustment of personality, sturdiness of character, and general fitness for admission.
2. Persons who have earned grades of "C" or higher in at least fifty per cent of the courses taken at an accredited college, and who—in the judgment of the Committee on Admissions—have presented otherwise satisfactory credentials may be admitted; and courses completed at an accredited institution which are equivalent to courses offered at Savannah State College may be counted towards advanced standing, except that:
  - a. Courses completed with grades below "C" may not be counted towards advanced standing.
  - b. Courses completed with grades below "C" shall be repeated if required for the degree at Savannah State College.
3. Because the college requires for graduation a minimum of 189 quarter hours (including physical education activity) together with residence of at least one year (3 quarters, 45 quarter hours), a student may not receive credit for more than three years' work at another college.
4. Graduates of accredited junior colleges or approved two-year normal courses may be granted maximum credit of 90 quarter hours for equivalent courses completed with grades of "C" or higher.



5. In conformance with item 4 above, a transfer student who has earned excessive credit in freshman and sophomore courses may not be granted credit in excess of 90 quarter hours below the junior class level.
6. A student who has attended an unaccredited college may be granted maximum credit of 90 quarter hours towards advanced standing, provided each course on the transfer record is validated either:
  - a. By formal examination at Savannah State College  
or
  - b. By superior performance in continued basic general and required advanced courses completed at Savannah State College
7. A student who has been dismissed from another institution because of poor scholarship or for disciplinary reasons may be admitted to the college only upon express approval of the Committee on Admissions. *Further:*
  - a. *Such a student may enter Savannah State College only when he is eligible to reenter the college previously attended.*
  - b. *A responsible officer of the institution which the student previously attended shall mail to the Director of Admissions a satisfactory statement attesting the applicant's ability to do standard college work, his good character and sound health.*
8. The evaluation of transfer credit given a student upon admission is tentative. A final evaluation shall be rendered only after the student has completed at least 30 quarter hours in residence. The college reserves the right to disallow transfer credit for courses if a student's subsequent grades in required courses in the same subject fall below average.

#### *Admission of Special Students*

1. Mature persons may be admitted as special students in some departments of the college, provided they have approval of the Dean of Faculty and the chairman of the department they desire to enter. Such persons are required to present evidence of preparation and ability requisite to success in the courses they wish to undertake.
2. Though exempt from specific formal academic requirements, each such applicant is required to present reliable recommendations attesting that:
  - a. *He is a person of good moral character, temperate habits, and emotional stability.*
  - b. *His conduct has been satisfactory in previous work or training; he is punctual and industrious.*



- c. *He has sound health and ability requisite to success in the course he desires to pursue.*

Special students are subject to all regulations of the college governing scholarship, class attendance, conduct, and health. While they may participate in intra-mural athletics and certain other extra-class activities, they may not participate in intercollegiate athletics. Special students are not eligible for initiation into fraternities or sororities

Special students may at any time, however, qualify as regular students by removing all entrance deficiencies.

### *Re-admission*

A student who has withdrawn from the college in good standing and has not meantime attended another institution may be readmitted on the basis of his previous record. Such student shall, however, submit a formal application and present whatever credentials are required to support his application.

### *Re-admission of students previously dismissed from the college.*

1. A student who has been dismissed for disciplinary reasons may be re-admitted only with the formal approval of the Committee on Admissions, the Personnel Council, and the Dean of Faculty.
2. A student who has been once dismissed because of poor scholarship may be re-admitted after one quarter, provided:
  - a. The results of scholastic aptitude tests administered under the Dean of Faculty indicate that the student has ability to do college work.
  - b. The chairman of the department which the student desires to enter approves his readmission.
3. If a student previously dismissed because of poor scholarship is readmitted, he shall be reclassified in accordance with regulations 2a and b under Admission to Advanced Standing.
4. A student who has been twice dismissed from the college may not be readmitted.

### *Final Action on the Application*

When all necessary credentials have been received, the Director and Committee on Admissions will consider in detail the candidate's qualifications for admission. Each applicant will then be notified as to the action of the Committee. If all available evidence indicates that the candidate is duly qualified, he will be mailed a *Notice of Admission*.

Final decision on applications for admission in September will be rendered on August 15th, and for other quarters not later than one month before the beginning of the quarter.

*Only persons who present the Notice of Admission may participate in activities of Freshman Week and register for courses.*

**ESTIMATED GENERAL EXPENSES**

For One Academic Year of Three Quarters

NOTE: Fees remitted by mail should be sent by money order, cashier's check, or certified check payable to SAVANNAH STATE COLLEGE.

	Per Quarter	Per Year
Matriculation Fee .....	\$ 60.00	\$180.00
Health Fee .....	3.00	9.00
Student Activity Fee .....	10.00	30.00
Student Group Insurance (see below) .....	5.00	15.00
<hr/>		
Total Charges—Day Student .....	*\$ 78.00	*\$234.00
Room, Board & Laundry.....	187.00	561.00
<hr/>		
Total Charges—Boarding Students .....	*\$265.00	*\$795.00
<hr/>		

The above table includes basic fees only. Other charges are assessed where applicable. Please see "Explanation of Fees." All charges are subject to change at the end of each quarter. Normal cost of books and supplies approximate \$30.00 per quarter. Students are required to secure all books, supplies and tools necessary for satisfactory completion of the courses for which they are enrolled.

All fees are due and payable at the time of registration. Students are required to meet their financial obligations promptly as condition of their remaining in college. Students granted scholarships or work-aid will be notified in writing and credit will be made to their accounts accordingly.

Veterans coming to Savannah State College should bring with them sufficient funds to pay all fees as indicated on the Schedule of Fees.

**Explanation of Fees**

**APPLICATION DEPOSIT.** A student applying for admission for the first time is required to send a deposit of \$25.00 with the application. Upon registration this amount will be applied toward his tuition fee for the first quarter. If the applicant is not accepted by the college, this deposit will be refunded in full. If the applicant decides not to enroll at Savannah State College, he is required to file a request for a refund before the deadline published in the College Calendar in this catalog.

**GENERAL DEPOSIT.** Upon initial registration each student will be required to make a general deposit of \$10.00. This charge will be applied to the student's account but will be retained by the institution

\*Beginning freshmen pay an additional \$10.00 to cover the General Deposit.

as a general deposit so long as the student remains in school. When a student withdraws or completes his course of training, this deposit will be returned, less any charges that may have been assessed against the deposit for such things as keys, library books not returned, laboratory or dormitory breakage, unpaid fees, etc.

**ROOM DEPOSIT.** Entering students and continuing students who plan to live in the college dormitories are required to submit a Room Deposit of \$25.00 with their requests for room assignment. Upon registration this amount will be applied toward room charges for the quarter. If the student is not accepted by the college, this deposit will be returned in full. If the student decides not to enroll, he is required to file a request for a refund before the deadline published in the College Calendar in this catalog.

**GRADUATION FEE.** A charge of \$10.00 to cover the cost of diploma and rental of cap and gown—payable upon filing application for graduation.

**HEALTH FEE.** A charge of \$3.00 per quarter is required of each student to finance limited clinical services, bed care in the infirmary for minor illness, and general dispensary care.

**LATE REGISTRATION FEE.** Students who fail to register on the regular registration day will be charged late registration fee of \$3.00 for the first day and \$1.00 each for the second and third days, the total not to exceed \$5.00.

**MATRICULATION FEE.** The charge for matriculation is \$60.00 per quarter for students registering for twelve (12) or more quarter hours. Students registering for less than twelve (12) quarter hours will be charged matriculation fee at the rate of \$5.00 per quarter hour.

**NON-RESIDENT TUITION.** Students with residence outside of Georgia, registering for twelve (12) or more quarter hours will be charged non-resident tuition of \$100.00 per quarter.

Students with residence outside of Georgia, registering for less than twelve (12) quarter hours will be charged non-resident tuition at the rate of \$8.00 per quarter hour. See Regents' Regulations below.

### Definition of Non-Resident

"The Board of Regents has established a non-resident fee which is applicable to all students determined not to be legal residents of the State of Georgia. The Board of Regents has also established a definition of legal resident which reads as follows:

"(a) If under 21 years of age, that the parent (or guardian) is a bona fide resident of the State of Georgia for at least one year next preceding the registration date.

"In the event that a legal resident of Georgia is appointed as a guardian of a non-resident minor, such minor does not become a resi-

dent until the expiration of one year from the date of appointment, and then only upon proper showing that such appointment was not made to avoid the non-resident fee.

“(b) If over 21 years of age, that bonafide residence in the State of Georgia has been established at least one year next preceding registration and that he is eligible to become a registered voter. No person shall be deemed to have gained or lost residence while a student at an institution of the UNIVERSITY SYSTEM.”

**ROOM, BOARD AND LAUNDRY.** All students living in the dormitories are required to eat in the college dining hall. The charge for room, board and laundry is \$187.00 per quarter. The dining hall does not maintain a diet table. Students who do not need all three services (room, board and laundry) must make arrangements to live off campus.

**STUDENT GROUP INSURANCE.** The Savannah State College student group insurance plan has been designed to protect all full time students of the school. The premium of \$15.00 per year is payable in installments of \$5.00 each quarter and the student is covered for twelve (12) months—including recess and vacation periods. The insuring company will pay up to \$250.00 for each accident—regardless of what other coverages the student has. Payment is unallocated; the plan will pay for any or all of the following: medical and surgical treatment by a physician, hospital confinement and nurse's services, miscellaneous hospital expenses, and dental treatment made necessary by injury to natural teeth.

**SPECIAL EXAMINATION FEE.** A fee of \$1.00 is required for each special, delinquent, or validation examination. Arrangements for such examinations must be made with the Dean of Faculty.

**STUDENT ACTIVITIES FEE.** A student activities fee of \$10.00 per quarter is required of each student. The Student Activities Committee has authority in assignment of funds from this source to the various agencies and activities which serve student needs.

**TRANSCRIPT FEE.** No charge is made for the first transcript issued at the request of a student. A fee of \$1.00 will be charged for each additional transcript.

### **Withdrawal and Refund Fees**

A student who wishes to withdraw must secure permission to withdraw from the college. The procedure for withdrawal is as follows:

1. The student must secure forms for withdrawal from the OFFICE OF STUDENT PERSONNEL and confer with the Director of Student Personnel.
2. The student will then confer with the Dean of Faculty and secure his endorsement of the request for withdrawal.



3. The student will then take the request for withdrawal to the Registrar for final action.

Students ill at home or otherwise not able to follow this procedure should write or have someone write to the Director of Student Personnel Services, requesting permission to withdraw.

No refund of fees for any term will be authorized unless the foregoing procedure is completed before the end of such term. The matriculation fee and non-resident fee are subject to the refund policy adopted by the Board of Regents January 20, 1947, as follows:

"For students who withdraw during the first week after registration for the quarter, 80% of the fees may be refunded; for students who withdraw during the second week a refund of 60% will be made; for students who withdraw no later than the end of the third week following registration, a refund of 40% may be granted; for students who withdraw during the fourth week following the scheduled registration date, a refund of 20% will be granted. No refund will be made to students who withdraw after the end of the fourth week following registration."

Room, board and laundry charges will be made through the end of the week during which the student withdraws. A student who wishes to withdraw from the dining hall and dormitories must secure a permit from the personnel dean. This permit when submitted with the dining hall meal book will entitle the student to a refund.

The APPLICATION DEPOSIT of \$25.00 and the ROOM DEPOSIT of \$25.00, are subject to refund as described under "EXPLANATION OF FEES" above.

### Self Help Opportunities

Worthy and industrious students may help to meet college expenses through part-time employment, provided they maintain satisfactory scholastic averages. These work opportunities include such jobs as clerical and stenographic work, library work, waiting tables, washing dishes, pantry and kitchen work, skilled and unskilled work in the several trades and in maintenance.

*Students who plan to apply for part-time work should note carefully:*

1. *No student should attempt to enter Savannah State College unless he is prepared to pay the major part of his total college expenses.*
2. *All students are required to pay all entrance expenses when they register. Money earned through part-time work may thereafter be credited to the monthly account.*

### WORK ASSIGNMENTS

Students are assigned to work only after they have been admitted and have arrived on the campus. Work assignments are made in the offices of the Dean of Men and the Dean of Women.



### Scholarships

A limited number of special scholarships are available to selected students who meet the required standards of scholastic merit, high character, general promise, and superior achievement in certain specific areas of the college program.

#### LIVINGSTON SCHOLARSHIP

"Established in 1955 by the First Federal Savings and Loan Association, of Statesboro, Georgia, in memory of Pinkney Livingston, beloved and respected janitor of the Statesboro School, in recognition of his devotion to and guardian care of the students.

"This Scholarship provides tuition (present value \$165.00) for the freshman year. It will be awarded annually to a worthy high school graduate from one of the following counties: Bulloch, Bryan, Candler, Emanuel, Evans, Jenkins, or Screven."

#### REGISTRATION

A. *What Registration Comprises.* All students of Savannah State College are required, at the beginning of each quarter of residence:

1. To obtain registration forms from the major advisor.
2. To list on these forms all courses to be pursued during the quarter, and to fill out completely all remaining details, the whole with assistance of departmental advisers.
3. To obtain course cards for each course in which they enroll.
4. To have their study programs approved by the departmental chairman.
5. To pay their fees to the cashier of the college.\*
6. To file the Registrar's card and course cards, complete in all details, in the Office of the Registrar.

*Completion of the six steps listed above comprises registration in this college. A person may not receive resident credit here unless these steps are completed in due order and on schedule.*

Students entering the college from secondary school, and those transferring from other colleges, should make formal application and have transcripts and other required credentials mailed directly from the school previously attended to the Director of Admissions. They should then secure the *Notice of Admission* from the Director of Admissions before reporting for registration. This should be done at least one month prior to the date of registration.

#### CREDIT FOR WORK DONE IN OTHER SCHOOLS

Applicants who have done work elsewhere, for which they wish to receive credit at this college, should state this fact when they apply

\*All veterans are required to have the registration approved by the Veterans Secretary.

for admission. No credit will be given for work done elsewhere unless transcripts are presented during the first year. No credit will be allowed for "D" standing in courses transferred to this institution. Credits should be sent to the Registrar early enough to be evaluated before the student reaches the college.

Continuing students at Savannah State College will be granted the privilege of completing registration by mail. Information on the procedure should be requested from the Office of the Registrar. A non-refundable \$5.00 deposit is required for this service.

**NO STUDENT WILL BE PERMITTED  
TO REGISTER AFTER THE LAST DAY  
SCHEDULED FOR LATE REGISTRATION**

*B. Special Regulations Governing Registration:*

1. Each student is required to complete all details of registration in person.
2. Each entering or readmitted student is required to present the *Notice of Admission* when he begins registration.
3. The Registrar provides detailed instructions for registration. Each student, assisted by his adviser, is responsible for completing all forms properly and filing the official registration form in the Office of the Registrar. *Failure to comply with this regulation will result in forfeiture of credit.*
4. Completion of preliminary registration does not exempt a person from official registration.
5. Each student is personally responsible for keeping accurate record of courses completed and for informing himself as to remaining requirements. Additional credit is not allowed for repeated courses.
6. A student may not change from one major to another during the week before registration or the week after registration.
7. Medical and psychological examinations are required of all entering freshmen during Freshman Week. Entering freshmen may not be enrolled before they complete these examinations.
8. Freshman Lectures (orientation) is required of all freshman and transfer students. Such students must therefore list this course on their study programs and pursue it throughout the first year.
9. Health and physical education courses are required of all freshmen and sophomores. Such students must therefore list these courses on their study programs and pursue the courses throughout the two years.

## THE CURRICULUM

The formal instructional program of Savannah State College comprises the general curriculum, areas of major and minor concentration, and terminal curricula. The program is organized within these seven divisions:

The Division of Business Administration

The Division of Education

Department of Elementary Education

Department of Secondary Education

Department of Health, Physical Education, and  
Recreation

The Division of Humanities

Department of English

Department of Fine Arts

Department of Modern Languages

The Division of Natural Sciences

Department of Biology

Department of Chemistry

Department of Mathematics and Physics

The Division of Social Sciences

The Division of Technical Sciences

Department of Engineering Technology

Department of Home Economics

The Division of Home Study

### The General Curriculum

General education, broadly conceived, is that education which is needed by all citizens in a democratic society. The general education curriculum at Savannah State College stems from cooperative study and planning by faculty members of Albany State College, Fort Valley State College, and Savannah State College. By official action of the faculties of these three state supported institutions, and by approval of the Regents of the University System of Georgia, a common general education curriculum—here designated the general curriculum—became effective at these three institutions in September, 1953.

#### Objectives and Scope

General education is here seen not as mere accumulation of factual knowledge, but as pursuit of learning, attitudes, competencies, and values calculated to give the individual a sense of meaning and direction in the democratic way of life. The faculties of the three cooperating colleges have recognized more than a score of general and specific purposes of general education. Some of the objectives of the general curriculum are:

1. Competence in Communication—Through this core of common courses and experiences the constant aim is to help students in the development of habits of effective communication in word and number.
2. Critical Thinking—The aim is assistance in the development of orderly processes in sifting out and correlating facts and experiences, and in reaching valid judgments.
3. Comprehension of the Cultural Heritage—The aim is knowledge and understanding of the cultural heritage, its sources, utilization, appreciation, and transmission.
4. Vocational Competence—The aim is to assist students in exploring their vocational and avocational interests and aptitudes, to the end that they may progress toward socially useful and personally satisfying careers.
5. Sound Health—The aim is help to students in acquiring knowledge and habits essential to sound physical and mental health.
6. Moral and Spiritual Values—The aim is to help students toward realization of meaning and direction in life consistent with the highest moral and spiritual values.

Upon satisfactory completion of the freshman and sophomore years in the general curriculum a student may transfer with facility to one of the cooperating colleges, or he may proceed into an area of major concentration (q. v., following) at Savannah State College.

### THE DEGREE

#### Areas of Concentration

The college offers courses leading to the baccalaureate degree with a major in each of these areas of concentration:

## Biology

Chemistry	Foods, Nutrition & Institution
Building Construction	Management
Technology	General Business Administration
Economics	Mathematics
Elementary Education <sup>1</sup>	Mechanical Technology
Electronics Technology	Secondary Education <sup>1</sup>
English	Secretarial Science
	Social Sciences
	Textiles and Clothing

## General Requirements for the Degree are:

1. A minimum of 189 quarter hours, a maximum of 195 quarter hours, including the commonly required health and physical education and orientation. The quantitative requirement by divisions is: business administration, 195 quarter hours; humanities, 189 quarter hours; natural sciences, 189 quarter hours; social sciences, 189 quarter hours; education, 195 quarter hours; and technical sciences, 195 quarter hours.
2. A scholastic average of at least "C".
3. Satisfactory completion of the general curriculum in the order as outlined in the specific degree program.

The General Curriculum<sup>2</sup>

## FRESHMAN YEAR

Education 100	Freshman Lectures	(R)
Health Education 112	Personal health	1 hour
Humanities 101-102; 103	English Communicative Skills; Speech	13 hours
Humanities 131	Introduction to Music and Art	5 hours
Natural Science 101	Functional Mathematics	5 hours
Biol 123-124	General Biology	
or		
Natural Science 113	Biological Science	
and		
Social Science 111	World and Human Geography	10 hours
Physical Education 111-113	Seasonal Activities	2 hours
Social Science 101-102	History of Western Culture	10 hours

## SOPHOMORE YEAR

Humanities 201-202 <sup>3</sup>	World Literature	10 hours
Humanities 141-142-143	French	
or 221-222-223	German	
or 161-162-163	Spanish	15 hours

<sup>1</sup>Teacher education programs in the following fields at Savannah State College have been approved by the Georgia Division of Teacher Education and Certification: elementary education; secondary education, with a concentration in each—1) business and distributive education subjects, 2) English, 3) French, 4) general science, 5) industrial arts education, 6) mathematics, 7) social studies, 8) Spanish, 9) trade and industrial education; grades 1-12, 1) art education, 2) health and physical education, 3) music education, 4) teacher-librarian. These programs are listed under caption of the Division of Education.

<sup>2</sup>This revised general education sequence became effective for students entering in September 1958 and thereafter. Some flexibility is permissible in general education courses (mainly in the communicative skills, mathematics, and sciences), depending upon the individual's scholastic ability, major preference, and vocational objective. Adaptations are seen in the several major curricula. In addition, a student may qualify for exemption from any of these requirements through superior achievement in a series of thorough examinations.

<sup>3</sup>English majors and minors take English 202, 203—instead of Humanities 201-202.



Natural Science 201-202	Physical Science	
or		
Natural Science 203	Physical Science	
and		
Social Science 111	World and Human Geography	10 hours
Physical Education 211-212-213	Seasonal Activities	3 hours
Social Science 201	Psychological Basis for Human Behavior	5 hours

### JUNIOR YEAR

Philosophy 300, 301, or 302	Introduction, Logic or Ethics	5 hours
Social Science 302	Government	5 hours

4. A prescribed divisional major (in business administration, education or technical sciences) or a major of at least 45 hours in one department and a minor of 30 hours in another department, with no grade below "C" in major, minor, or special subject requirements. Significant major courses must be taken in residence at this college.
5. Residence of at least one year at Savannah State College. Students who entered the college in September 1955 and thereafter are required to spend the senior year in residence.
6. Examination on the history and constitutions of Georgia and the United States.<sup>1</sup>

In addition to the foregoing requirements, each student must pass a proficiency examination in English and a comprehensive examination in his major. The National Teacher Examinations constitute comprehensives for teaching majors; comprehensives for others are the Graduate Record Examinations (with approved departmental supplement). No student will be admitted to candidacy for the degree before all deficiencies in required major and minor courses have been cleared and the English proficiency and major comprehensive requirements are met.

Each prospective candidate for graduation is required to submit a formal application for the degree. The date for filing the application in the office of the Registrar is listed in the college calendar.

All requirements for graduation must be completed within eight calendar years. The college reserves the right to disallow credit earned more than eight years prior to the quarter in which application for a degree is made.

### TERMINAL COURSES

To meet the needs of persons who are already gainfully employed, but who desire immediate, specialized training, and for others whose opportunity for formal education is limited, the college offers two-year terminal courses in dressmaking and tailoring, food production and cooking, and secretarial science. Upon satisfactory completion of a terminal course the student is given a certificate of proficiency.

<sup>1</sup>In conformance with Section 32-706, Georgia Schools Laws, 1942 (Amended March 4, 1953).

## DIVISIONAL AND DEPARTMENTAL PROGRAMS

### Division Of Business Administration

DR. HAYWARD S. ANDERSON, *Chairman*

ALBERTHA E. BOSTON

TRIBHUWAN P. GOYAL

WILLIAM H. M. BOWENS

BEN INGERSOLL

CLEVELAND A. CHRISTOPHE

WILEY A. PERDUE

MARCELLE E. RHODRIQUEZ

The main purpose of the Division of Business Administration is to afford students a sound educational foundation for socially effective, gainful work in the business world. Specifically, through curricular offerings, supervised work experience, and individual counselling this division prepares students for: (1) employment as bookkeepers, accountants, secretaries, stenographers, and salesmen; (2) establishment, operation, management, and ownership of business enterprises; (3) teaching business and distributive education subjects in the secondary school; (4) further study in accounting, or business economics, or general business, or secretarial science, or business education.

To realize these aims the division offers courses leading to the degree of Bachelor of Business Administration, and a terminal program leading to a certificate of proficiency.

### DEGREE PROGRAMS

A student in business administration may pursue a major in one of three areas: (1) general business administration, (2) economics, (3) secretarial science. The total quantitative requirement for the degree in this division is 195 quarter hours. The total includes a common general education sequence and major-minor concentration. The student may elect a major-minor concentration within this division or a major in this division and, with express approval of the Chairman of this division, a related minor in another division.

Everyone who undertakes work toward a degree in the Division of Business Administration must confer with his adviser during each quarter, regarding choice of courses. Specifically, every business administration major must have the written approval of the chairman of this division before registering in junior and senior courses.

Persons desiring to become certified as teachers of business and distributive education subjects in the secondary school must meet requirements set up by the Division of Teacher Education and Certification. A minimum of 45 hours in business education courses and 46 hours in professional education courses are required in addition to the general education courses. The approved program for teachers of business subjects is listed under caption of the Department of Secondary Education.

## Freshman and Sophomore Requirements

The major part of the work in the freshman and sophomore years consists of general education. The purpose of these courses is to lay a broad foundation of cultural work for the student prior to his undertaking any specialized work.

Following are freshman and sophomore courses for students who plan to pursue a major in the Division of Business Administration:

### FRESHMAN YEAR

Biol 123-124	General Biology	10 hours
Bus Adm 103	Business Mathematics	5 hours
Bus Adm 105	Introduction to Business	5 hours
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1 hour
Hum 101-102; 103	English Communicative Skills; Speech	13 hours
Hum 131	Introduction to Music and Art	5 hours
P Ed 111, 113	Seasonal Activities	2 hours
Soc Sc 101-102	History of Western Culture	10 hours

### SOPHOMORE YEAR

Acct 201-202 <sup>1</sup>	Principles of Accounting	10 hours
Bus Adm 225	Business Writing	5 hours
Ec 201	Principles of Economics	5 hours
Hum 201-202	World Literature	10 hours
Nat Sc 203	Physical Science	5 hours
P Ed 211-212-213	Seasonal Activities	3 hours
Sec Sc 101-102-103	Elementary Typewriting	6 hours
Soc Sc 201	Psychological Basis for Human Behavior	5 hours

Total freshman and sophomore qtr. hours    100 hours

## JUNIOR AND SENIOR PROGRAMS

With express approval of the chairman of this division the student may elect a related minor comprising 30 hours in prescribed courses in another division; or he may complete one of the sequences accompanying the major program, to satisfy requirements for a concentration in the Division of Business Administration.

### 1. GENERAL BUSINESS ADMINISTRATION MAJOR

Acct 203	Principles of Accounting	5 hours
Bus Adm 300	Office Machines	5 hours
Bus Adm 307	Principles of Insurance	5 hours
Bus Adm 317	Business Law	5 hours
Bus Adm 323	Money, Credit, and Banking	5 hours
Bus Adm 325	Principles of Marketing	5 hours
Bus Adm 409-410	Business Laboratory	10 hours
Bus Adm 415	Business Organization and Management	5 hours
Ec 302	Current Economic Problems	5 hours
Hist 302 <sup>2</sup>	History of the United States and Georgia	5 hours
Soc Sc 302	Government	5 hours
Minor and electives		35 hours

<sup>1</sup>Accounting 203 is also prescribed for general business administration and economics majors.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

1) General Business Sequence	2) Accounting Sequence
Electives 35 hours	Acct 201-202 (10)
Courses in this sequence	Acct 203 (5)
are to be taken within	Acct 301-302 10
the Division of Business	Acct 405 5
Administration. Excep-	Acct 425 5
tions based on career ob-	Electives (junior and
jectives must be expressly	senior courses within
approved by the Chair-	the Division of Busi-
man of this division.	ness Administration,
	except as approved by
	by the chairman) 15
	<hr/>
	35
3) Economics Sequence	4) Secretarial Science Sequence
Bus Adm 325 (5)	Bus Adm 225 (5)
Economics 201 (5)	Bus Adm 300 (5)
Economics 302 (5)	Sec Sc 101-102-103 (6)
Economics 323 (5)	Sec Sc 201-202 4
Economics 401 5	Sec Sc 211-212-213 12
Economics 450 5	Sec Sc 301 5
Economics (Senior	Sec Sc 303 3
elective) 10	Electives (junior and
Electives (junior and	senior courses within
senior courses within	the Division of Busi-
the Division of Busi-	ness Administration,
ness Administration,	except as approved
except as approved	by the chairman) 11
by the chairman) 15	<hr/>
<hr/>	35
35	
Total junior and senior quarter hours	95
	<hr/>
Total quantitative requirement for graduation	195 hours

## 2. ECONOMICS MAJOR

Acct 203	Principles of Accounting	5 hours
Bus Adm 317	Business Law	5 hours
Bus Adm 325	Principles of Marketing	5 hours
Ec 302	Current Economic Problems	5 hours
Ec 304	Economic Theory and History of Economic	
	Thought	5 hours
Ec 307	Economic History of the United States	5 hours
Ec 308	Economic History of Europe	5 hours
Ec 323	Money, Credit, and Banking	5 hours
Ec 401	Labor Problems	5 hours
Ec 403	Public Finance	5 hours
Ec 406	Comparative Economic Systems	5 hours
Ec 450	Economic Research and Statistics	5 hours
Hist 300 <sup>1</sup>	History of the United States	
	and Georgia	5 hours
Soc Sc 302	Government	5 hours
Minor and electives		25 hours
Total junior and senior quarter hours		95
		<hr/>
Total quantitative requirement for graduation		195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## 3. SECRETARIAL SCIENCE MAJOR

Bus Adm 300	Office Machines	5 hours
Bus Adm 317	Business Law	5 hours
Bus Adm 415	Business Organization and Management	5 hours
Hist 300 <sup>1</sup>	History of the United States and Georgia	5 hours
Sec Sc 201-202	Advanced Typewriting	4 hours
Sec Sc 211-212-213	Elementary Shorthand	12 hours
Sec Sc 301	Filing and Office Practice	5 hours
Sec Sc 303	Advanced Filing	3 hours
Sec Sc 312-313	Advanced Shorthand and Transcription	8 hours
Sec Sc 425-426	Secretarial Practice	10 hours
Soc Sc 302	Government	5 hours
Minor and electives		28 hours

## 1) Accounting Sequence

Accounting 201-202	(10 hours)
Accounting 203	5 hours
Accounting 301-302	10 hours
Accounting 405	5 hours
Accounting 425	5 hours
Senior elective	3 hours

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 28 hours

## 2) Economics Sequence

Bus Adm 317	( 5 hours)
Economics 201	( 5 hours)
Economics 302	5 hours
Economics 323	5 hours
Economics 401	5 hours
Economics 450	5 hours

Electives (junior and senior courses within the Division of Business Administration) 8 hours

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 28 hours

## 3) General Business Administration Sequence

Accounting 201-202	(10 hours)
Accounting 203	5 hours
Bus Adm 105	( 5 hours)
Bus Adm 307	5 hours
Bus Adm 317	( 5 hours)
Bus Adm 325	5 hours
Bus Adm (senior elective)	13 hours

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 28 hours

Total junior and senior quarter hours 95

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Total quantitative requirement for graduation 195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.



## CERTIFICATE PROGRAM

In addition to the degree programs, this division offers a terminal secretarial science course for students who, at present, do not find it convenient to remain in college for four years. Through intensive study and concentrated effort, such students are enabled to prepare for positions as typists, stenographers, bookkeepers, file clerks, etc.

Students interested in the two-year program should carefully plan their schedules with the chairman of the Division of Business Administration at the beginning of the first year. All terminal students are cautioned that, in addition to courses prescribed below, they must satisfy the history and constitutions requirements.

Upon satisfactory completion of the program, the student is awarded a certificate of proficiency in secretarial science.

## TWO-YEAR SECRETARIAL SCIENCE CURRICULUM

### FIRST YEAR

<i>Course</i>	<i>Descriptive Title</i>	<i>Quarter Hours Credit</i>		
		Fall	Winter	Spring
Bus Adm 103	Business Mathematics			5
Bus Adm 105	Introduction to Business			5
Hum 101-102; 103	English Communicative Skills; Speech	5	5	3
Sec Sc 101-102-103	Elementary Typewriting	2	2	2
Sec Sc 211-212-213	Elementary Shorthand	4	4	4
Soc Sc 101-102	History of Western Culture	5	5	
		<hr/> 16	<hr/> 16	<hr/> 19

### SECOND YEAR

<i>Course</i>	<i>Descriptive Title</i>	<i>Quarter Hours Credit</i>		
		Fall	Winter	Spring
Acct 201-202	Principles of Accounting	5	5	
Bus Adm 225	Business Writing			5
Bus Adm 300	Office Machines			5
Bus Adm 317	Business Law	5		
Ec 201	Principles of Economics		5	
Sec Sc 201-202	Advanced Typewriting	2	2	
Sec Sc 312-313	Advanced Shorthand	4	4	
Sec Sc 301	Filing and Office Practice			5
Sec Sc 303	Advanced Filing			3
		<hr/> 16	<hr/> 16	<hr/> 18

## DIVISION OF EDUCATION

DR. CALVIN L. KIAH, *Chairman*

IDA J. GADSDEN

MAURICE S. STOKES

DOROTHY C. HAMILTON

PAUL L. TAYLOR

THELMA M. HARMOND<sup>1</sup>VELMA V. WATTERS<sup>2</sup>

WALTER A. MERCER

JOHN L. WILSON

ARTHUR DWIGHT, *Principal*, Sol C. Johnson Laboratory  
SchoolSupervising Teachers Cooperating in the  
Teacher Education Program

DOROTHY U. ADAMS

THELMA T. LEE

VIRGINIA R. BLALOCK

LAURA R. MARTIN

EDDIE M. COOPER

LOUISE MILTON

WILLIE CREAGH

ALBERTHA SMITH

OLA B. DINGLE

THELMA STILES

BEATRICE W. DOE

VIRGINIA STRIPLING

ELNORA W. EDMONDSON

ALBERT M. THWEATT

IRENE R. GIBBS

ALETHIA M. TURNER

ELDORA S. GREENE

MINNIE S. WALLACE

PAULINE HAGINS

LEILA WHITE

LEO I. HARRIS

ELEANOR WILLIAMS

MAMIE HART

ERMA R. WILLIAMS

ROGER B. JONES

IRA E. WILLIAMS

MATTIE G. LEAKE

MILDRED YOUNG

## PURPOSES OF THE DIVISION

The Division of Education serves three major purposes. (1) In cooperation with the College-wide Teacher Education Committee and the State Committee on Cooperation in Teacher Education, it spearheads the process of continuous planning, experimentation, and evaluation of the total teacher training program. (2) It assumes chief responsibility in the selection, guidance, and training of students for the work of teaching in the elementary and secondary schools—mainly in the schools of Georgia. (3) For persons who plan to become principals and supervisors, it provides an adequate foundation for advanced study on the graduate level.

<sup>1</sup>On leave, summer and fall quarters 1961.<sup>2</sup>On leave, 1961-1962.

## COLLEGE-WIDE PROVISION FOR TEACHER EDUCATION

This division comprises three departments: the Department of Elementary Education; the Department of Health, Physical Education, and Recreation; the Department of Secondary Education. The preparation of teachers is, however, a college-wide commitment. Because every division and department at the college is involved in training teachers in some subject matter field, this function engages the constant interest and efforts, staff resources, and facilities of the entire institution.

### RECOMMENDATION FOR THE DEGREE AND A TEACHING CERTIFICATE

The following revised teacher training curricula at Savannah State College have been approved by the Georgia Division of Teacher Education and Certification: elementary education; secondary education, with a concentration in each—business education, English, French, general science, industrial arts education, mathematics, social studies, Spanish, and trade and industrial education; grades 1 - 12, art education, health, physical education, and recreation, music education. Each of these curricula leads to the degree of Bachelor of Science in Education. A graduate who has completed one of these programs may be recommended to the Division of Certification for the Four Year Professional Certificate.

### THE TEACHER-LIBRARIAN CERTIFICATE

In view of the need to strengthen library service in the schools of Georgia the college provides also a basic training program for teacher-librarians. This is essentially an undergraduate, preprofessional sequence, designed to meet minimum requirements for certification. The work does, however, afford a foundation for further study in library science. The teacher-librarian sequence appears on page 112 of this catalog.

### AIMS AND PURPOSES OF THE TEACHER TRAINING PROGRAM

The goals of this program are seen as qualities that should mark the superior teacher. (1) He should have a wide general academic and cultural background, with that specific command of subject matter which will enable him to adapt content and experiences to the needs, problems, and interests of pupils. (2) He should be proficient

in the communication skills and able to assist pupils in developing these skills. (3) He should have effective knowledge of human behavior, of the processes involved in growth and learning; and he should be skilled in the adaptation of materials and experiences to the needs and interests of pupils. (4) He should be able to further good human relationships. (5) He should be able to think and plan effectively.

### GENERAL PLAN OF STUDY

The first two years of teacher training comprise mainly general education. Work in the areas of art, the biological and physical sciences, English composition and speech, general college and vocational orientation, mathematics, health and physical education, music, and the social sciences is included.

During the first two or three weeks of the sophomore year, the student participates in the September Field Experience. This is an exploratory assignment, preliminary to formal initiation into the teacher training program.

In the junior and senior years, the prospective teacher works in three interrelated areas: (1) the professional education sequence; (2) the subject matter concentration; (3) elective courses.

The quantitative requirement for graduation in this division is 195 quarter hours, including prescribed health and physical education and orientation courses.

#### Required Professional Sequence

The following courses comprise the minimum core of professional preparation required of all students who plan to teach in the elementary or the secondary school:

Ed. 216.	Introduction to Teaching
Ed. 317.	Human Growth and Learning
Ed. 429.	Curriculum and Teaching
Ed. 440 or 441.	Directed Student Teaching
Ed. 445 or 446.	Seminar

These courses are to be taken in the order listed.

Students are grouped in each course according to major interests and teaching levels.



## ADMISSION TO THE TEACHER EDUCATION PROGRAM

Students who plan to complete a teaching curriculum are required to submit to the Division of Education an application for admission to the teacher education program. Applications will be screened, and applicants will be notified individually of the action taken on their applications.

The eligibility of applicants for admission to the program will be determined in accordance with the following criteria:

- a. Probability of success as a teacher.

Character traits such as honesty, physical and intellectual vigor, enthusiasm, open-mindedness, resourcefulness, and mature outlook will be given high value in judging applicants' conformance to this standard.

- b. Scholastic achievement.

Applicants must not be deficient with respect to the general scholastic requirements of the institution at the time the application is made. The complete scholastic record of the applicants will be studied, and proper weight will be given to this factor in the final action on the application.

## ADMISSION TO PRACTICE TEACHING

After admission to the teacher education program, students will be expected to meet the following requirements:

- a. Complete the professional education sequence in the prescribed order.
- b. Maintain a general cumulative average of 2.00 or better.
- c. Maintain a 2.00 average in the subject matter concentration and the professional education sequence.
- d. Complete the English qualifying examination successfully.

Students who fail to meet the foregoing requirements will not be admitted to practice teaching and will be placed on probation in the teacher education program.

Students who fail promptly to remove deficiencies in these requirements will be asked to withdraw from the teacher education program.

## TEACHER EDUCATION CURRICULA

### DEPARTMENT OF ELEMENTARY EDUCATION

#### Elementary Education Curriculum

##### FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111-113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

##### SOPHOMORE YEAR

Ed 216	Introduction to Teaching	5
Hum 201-202	World Literature	10
Hum 141-142-143 <sup>1</sup>	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	10
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
P Ed 233	Elementary Mass Activity	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5

Total freshman and sophomore quarter  
hours

97

#### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Art 401	Public School Art	5
Ed 317	Human Growth and Learning	8
Ed 341	Seminar in the Elementary School Curriculum	15
Ed 347	Audio-Visual Materials and Methods	5
Ed 429	Curriculum and Teaching	8
Ed 440	Directed Student Teaching in the Elementary School	10
Ed 445	Seminar for Teachers in the Elementary School	5
H Ed 305	The Total School Health Program	5
Hist 300	History of the United States and Georgia	5
Music Ed 300	Fundamentals of Elementary School Music	3
Music Ed 301	Public School Music Methods-Elementary Grades	3
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Electives	Senior courses	21
Total junior and senior quarter hours Total quantitative requirement for graduation		98
		195 hours

<sup>1</sup>The requirement is 10 hours of one modern foreign language. Courses to be taken will depend upon the number of high school units completed and the student's competence in the language.

## DEPARTMENT OF SECONDARY EDUCATION

## Program for Teachers of Business and Distributive Education Subjects

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Bus Adm 103	Business Mathematics	5
Bus Adm 105	Introduction to Business	5
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
P Ed 111, 113	Seasonal Activities	2
Sec Sc 101-102-103	Elementary Typewriting	6
Soc Sc 101-102	History of Western Culture	10

## SOPHOMORE YEAR

Ec 201	Principles of Economics	5
Ed 216	Introduction to Teaching	5
Hum 131	Introduction to Music and Art	5
Hum 201-202	World Literature	10
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Sec Sc 211-212-213	Elementary Shorthand	12
Soc Sc 201	Psychological Basis for Human Behavior	5
Total freshman and sophomore quarter hours		102

## JUNIOR AND SENIOR REQUIREMENTS

Acct 201-202	Principles of Accounting	10
Bus Adm 225	Business Writing	5
Bus Adm 300	Office Machines	5
Bus Adm 317	Business Law	5
Bus Ed 350	Materials & Methods of Teaching Business Subjects	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
Sec Sc 301	Filing and Office Practice	5
Sec Sc 312	Advanced Shorthand and Transcription	4
Soc Sc 302	Government	5
Electives	Senior courses	8
Total junior and senior quarter hours		93
Total quantitative requirement for graduation		195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## English Teachers Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R) 1
H Ed 112	Personal Health	1
Hum 101-102	English Communicative Skills	10
Hum 103	English Communicative Skills; Speech	3
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

## SOPHOMORE YEAR

Eng 202	Introduction to English Literature	5
Eng 203	Survey of American Literature	5
Eng 204	Advanced Composition	5
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5

Total freshman and sophomore quarter hours 94

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
Eng 306	Contemporary Prose and Poetry	5
Eng 401	Shakespeare	5
Eng 407	History of the English Language	5
Eng 410	Journalism	5
Eng 411	Play Production	5
Eng	Elective <sup>1</sup>	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Soc Sc 302	Government	5
Elective	Junior and senior courses	15
Total junior and senior quarter hours		101
Total quantitative requirement for graduation		195 hours

<sup>1</sup>One of the following: English 301, 303, 305, 405.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.



## French Teachers Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Hum 141-142-143	Elementary French	15
P Ed 111, 113	Seasonal Activities	2
Soc Sc 111	World and Human Geography	5

## SOPHOMORE YEAR

Eng 202	Introduction to English Literature	5
Eng 203	Survey of American Literature	5
French 241-242	Intermediate French	10
French 243	French Composition and Conversation	5
Nat Sc 101	Functional Mathematics	5
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 101-102	History of Western Culture	10
		—
	Total freshman and sophomore quarter hours	99

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
French 341-342	Survey of French Literature	6
French 343	French Civilization	4
French 344	Oral Communication	5
French 441	Literature of the XVIIth Century	5
French 442	The Romantic Movement	5
French	Elective	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
Phil 300	Introduction to Philosophy	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5
Elective	A junior or senior course	5
		—
	Total junior and senior quarter hours	96
	Total quantitative requirement for graduation	195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## General Science Teachers Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Chem 101-102	General Inorganic Chemistry	12
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10
Soc Sc 111	World and Human Geography	5

## SOPHOMORE YEAR

Biol 204	General Botany	6
Biol 225	Invertebrate Zoology	6
Ec 201	Principles of Economics	5
Hum 201-202	World Literature	10
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5

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Total freshman and sophomore quarter hours 98

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Chem 307-308 <sup>2</sup>	Organic Chemistry	12
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>3</sup>	History of the United States and Georgia	5
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Physics 301-302	General Physics	12
Elective	A junior or senior course in science	6
Electives	Junior and senior courses	6

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Total junior and senior quarter hours 97

Total quantitative requirement for graduation 195 hours

<sup>1</sup>Students whose command of elementary algebra is inadequate will be required to take Mathematics 107 before attempting college algebra.

<sup>2</sup>Instead of Chemistry 307-308, the student may take Biology 306 and 307 or Physics 300 and 312.

<sup>3</sup>If the student has satisfied the history requirement through examination he should take another course in mathematics.

## Industrial Arts Education Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
I A Ed 105	General Shop	5
I A Ed 125	General Drafting	5
I A Ed 135	Fundamentals of Woodwork	5
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
P Ed 111, 113	Seasonal Activities	2

## SOPHOMORE YEAR

Chem 101-102	General Inorganic Chemistry	10
Hum 201	World Literature	5
I A Ed 145	Beginning Metalwork	5
I A Ed 155	General Electricity	5
I A Ed 300	Industrial Arts Design	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 102	History of Western Culture	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5

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Total freshman and sophomore quarter  
hours

94

JUNIOR AND SENIOR REQUIREMENTS *Quarter Hours*

Ec 201	Principles of Economics	5
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
I A Ed 255 or	Fundamentals of Radio	
I A Ed 301	Power Mechanics	5
I A Ed 305	Advanced Woodwork	5
I A Ed 325	Advanced Drafting	5
I A Ed 340	Advanced Metalwork	5
I A Ed 355 or	Advanced Radio	
I A Ed 401	Advanced Power Mechanics	5
I A Ed 407	Advanced Electricity	5
I A Ed 411	Shop Organization and Management	5
I A Ed 413	Curriculum Building and Course Organization in Industrial Arts Education	3
I A Ed 414	Methods of Teaching Industrial Arts	5
I A Ed 425	Architectural Drafting	5
Physics 301-302	General Physics	10

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Total junior and senior quarter hours  
Total quantitative requirement for  
graduation

101

195 hours

<sup>1</sup>Students whose command of elementary algebra is inadequate will be required to take Mathematics 107 before attempting college algebra.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## Mathematics Teachers Curriculum

### FRESHMAN YEAR

		<i>Quarter Hours</i>
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Math 312 <sup>1</sup>	Analysis I (Differential Calculus)	5
Nat Sc 113	Biological Science	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10
Soc Sc 111	World and Human Geography	5

### SOPHOMORE YEAR

Ec 201	Principles of Economics	5
Hum 201-202	World Literature	10
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Math 313	Analysis II (Integral Calculus)	5
Math 314	Analysis III (Limits, Sequences, and Introduction to Advanced Calculus)	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5

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Total freshman and sophomore quarter hours	99
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### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Math 304	Introduction to Higher Geometry	5
Math 315	Introduction to Modern Algebra	5
Math 316	Linear Algebra	5
Math 317	Introduction to Probability and Statistics	5
Math 318	Advanced Probability	5
Physics 301-302	General Physics	12
Electives <sup>3</sup>	Junior and senior courses	13
Total junior and senior quarter hours		96
Total quantitative requirement for graduation		195 hours

<sup>1</sup>Students whose command of college algebra and trigonometry is inadequate will be required to take these courses before attempting Analysis I.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

<sup>3</sup>These electives will include two courses in mathematics.



## Curriculum for Teachers of Social Studies

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

## SOPHOMORE YEAR

Ec 201	Principles of Economics	5
Hum 201-202	World Literature	10
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5
Total freshman and sophomore quarter hours		99

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ec 302	Current Economic Problems	5
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441 <sup>1</sup>	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 305	History of the United States through the Civil War	5
Hist 306	History of the United States from the Civil War to the Present	5
Hist 431	History of Europe from the Middle Ages to 1815	5
Hist 432	History of Europe from 1815 to the Present	5
Soc 301	Introduction to Sociology	5
Electives	Junior and senior courses outside the Division of Social Sciences	25
Total junior and senior quarter hours		96
Total quantitative requirement for graduation		195 hours

<sup>1</sup>To be eligible to engage in practice teaching, a student concentrating in social studies must:

- (1) have no deficiencies in the social studies concentration.
- (2) successfully complete the English qualifying examination.
- (3) be classified as a senior in the college, and have completed 30 hours of required social sciences in courses numbered above 300.

## Spanish Teachers Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Hum 161-162-163	Elementary Spanish	15
P Ed 111, 113	Seasonal Activities	2
Soc Sc 111	World and Human Geography	5

## SOPHOMORE YEAR

Eng 202	Introduction to English Literature	5
Eng 203	Survey of American Literature	5
Nat Sc 101	Functional Mathematics	5
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 101-102	History of Western Culture	10
Span 261-262	Intermediate Spanish	10
Span 263	Spanish Composition and Conversation	5

Total freshman and sophomore quarter  
hours

99

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
Phil 300	Introduction to Philosophy	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5
Span 361-362	Survey of Spanish Literature	6
Span 363	Spanish Civilization	4
Span 364	Oral Communication	5
Span 461	Literature of the Golden Age	5
Span 462	Literature of the XIXth Century	5
Span 463	Spanish-American Literature	5
Elective	A junior or senior course	5
Total junior and senior quarter hours		96
Total quantitative requirement for graduation		195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## Trade and Industrial Education Curriculum

(This program prepares graduates to teach trade and industrial subjects on a vocational basis in the secondary schools. To pursue this curriculum a student must: (a) have finished a trade and attained journeyman status in industry; (b) have worked at least two years in industry as a journeyman at the trade he plans to teach.)

### FRESHMAN YEAR

		<i>Quarter Hours</i>
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
I A Ed 125	General Drafting	5
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
P Ed 111; 113	Seasonal Activities	2
Soc Sc 102	History of Western Culture	5
Soc Sc 201	Psychological Basis for Human Behavior	5

### SOPHOMORE YEAR

Chem 101-102	General Inorganic Chemistry	10
Ec 201	Principles of Economics	5
Ed 216	Introduction to Teaching	5
Hum 201-202	World Literature	10
P Ed 211-212-213	Seasonal Activities	3
Physics 301-302	General Physics	10
Soc Sc 302	Government	5
T & I Ed 305	Vocational Guidance	3

Total freshman and sophomore quarter  
hours

97

### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Bldg Tech 201	Construction Materials	5
Bus Adm 415	Business Organization and Management	5
Ec 302	Current Economic Problems	5
Ec 401	Labor Problems	5
Ed 317	Human Growth and Learning	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
I A Ed 314	Industrial Arts Materials	5
I A Ed 403	Special Interest Problems	5
I A Ed 425	Architectural Drafting	5
T & I Ed 310	Industrial History	5
T & I Ed 313	Industrial Education Curriculum	3
T & I Ed 412	Industrial Hygiene	3
T & I Ed 413	Methods of Teaching Industrial Subjects	5
Electives	Junior and senior courses	19
Total junior and senior quarter hours		98
Total quantitative requirement for graduation		195

<sup>1</sup>Students whose command of elementary algebra is inadequate will be required to take Mathematics 107 before attempting college Algebra.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## PROGRAMS FOR TEACHERS OF GRADES 1-12

(Courses of the teacher-librarian sequence are listed on page 112 in this catalog. The health, physical education, and recreation curriculum is outlined on page 62.)

### Art Education Curriculum

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Art 103	Basic Art	5
Art 108	Drawing	4
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

#### SOPHOMORE YEAR

Art 214	Basic Weaving	3
Art 218	Metal Design	3
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Hum 201-202	World Literature	10
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5
Total freshmen and sophomore quarter hours		99

### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Art 322	Painting I	5
Art 323	Painting II	5
Art 333	Sculpture	5
Art 430	Printmaking	4
Art 438	Ceramics I	3
Art 439	Ceramics II	3
Art 450	History of Art I	3
Art 451	History of Art II	3
Art Ed 304	Art Education	3
Art Ed 401	Public School Art	5
Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5



## Art Education—Continued

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
H Ed 305	The Total School Health Program	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Elective	Junior or senior courses	6
	Total junior and senior quarter hours	96
	Total quantitative requirement for graduation	195 hours

## Music Education Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Mus 100 a-b-c <sup>1</sup>	Choral Society/Band/Men's Ensemble/ Women's Ensemble	3 <sup>1</sup>
Mus 101-102-103	Fundamentals of Piano/Another Instrument/ Voice	3
Mus 104-105-106	Applied Major Area	3
Mus 111-112-113	Theory I (Ear-training and Sight-singing)	6
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2

## SOPHOMORE YEAR

Hum 141-142-143	Elementary French	15
Mus 200 a-b-c <sup>1</sup>	Choral Society/Band/Men's Ensemble/ Women's Ensemble	3 <sup>1</sup>
Mus 201-202-203	Intermediate Piano/Another Instrument/Voice	3
Mus 204-205-206	Applied Major Area	3
Mus 211-212-213	Theory II (Harmony)	6
Mus 214-215	History and Literature of Music	10
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 302	Government	5
	Total freshman and sophomore quarter hours	88-94

## JUNIOR AND SENIOR REQUIREMENTS

Ed 216	Introduction to Teaching	5
Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5

<sup>1</sup>Optional (Maximum credit of 6 hours counted toward graduation).<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

### Music Education—Continued

Mus 300 a-b-c <sup>1</sup>	Choral Society/Band/Men's Ensemble/ Women's Ensemble	3 <sup>1</sup>
Mus 301-302-303	Advanced Piano/Another Instrument/Voice	3
Mus 304-305-306	Applied Major Area	3
Mus 307-308	Orchestration and Instrumentation	6
Mus 310	Voice Class	3
Mus 311	Theory III (Form and Analysis)	5
Mus 400 a-b <sup>1</sup>	Choral Society/Band/Men's Ensemble/ Women's Ensemble	2 <sup>1</sup>
Mus 401-402	Advanced Piano/Another Instrument/Voice	2
Mus 404-405	Applied Major Area	2
Mus 407-408	Conducting (Choral or Instrumental)	6
Mus 411	Counterpoint and Composition	5
Mus Ed 313-314-315	Public School Music (Elementary/Junior High/High School)	6
Mus Ed 409	Choral Techniques	3
Mus Ed 410	Band Techniques	3
Soc Sc 201	Psychological Basis for Human Behavior	5
Electives		3
Total junior and senior quarter hours		101-106
Total quantitative requirement for graduation		195 hours

<sup>1</sup>Optional (Maximum credit of 6 hours counted toward graduation).

## DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

DR. RAYMOND W. HOPSON, *Head*

GERALDINE H. ABERNATHY

ELLA W. FISHER

ALBERT E. FRAZIER

RICHARD K. WASHINGTON

THEODORE A. WRIGHT, SR.

The essential aim of the Department of Health, Physical Education and Recreation is to afford professional training for pre-service and in-service teachers of health, physical education, and recreation in the elementary and secondary schools. A parallel aim is advisement. The department encourages only potentially qualified students to undertake professional training in this field. A third aim is to provide for all students instruction in the basic principles of health and recreational activity needed for wholesome living.

In pursuance of the foregoing aims this department provides a four-fold program of instruction. For students who plan to become professional workers in the field of health, physical education, and recreation—either in schools or in other agencies—the department offers a sequence of specialized training leading to the degree of Bachelor of Science in Education, with a concentration in health, physical education, and recreation. In addition, for all students enrolled in teacher education curricula at Savannah State College, this department provides basic training in supervision of one or more phases of a comprehensive health, physical education, and recreation program in the schools of Georgia. This phase of the work is provided either in selected specialized courses or in a minor sequence. Further, for all students enrolled at the college this department provides instruction in the fundamental concepts and activities of health, physical education, and recreation as an essential phase of general education. Finally, this department serves the college community through instruction and leadership in the intramural program. The intramural program is, in effect, a laboratory in which students enjoy practicing the skills learned in general service courses and relish competing with their peers.

### PHYSICAL EDUCATION REQUIREMENT FOR ALL FRESHMAN AND SOPHOMORES

During the freshman and sophomore years all students are required to participate in health and physical education activities. The satisfactory completion of this work is a prerequisite for graduation. Within the six quarters of work, one quarter is devoted to personal health; and five are seasonal activities, including indoor and outdoor games, gymnastics, etc.

*All students must wear the regulation uniform at each class meeting, or credit will not be given.*

## Health, Physical Education, and Recreation Curriculum

### FRESHMAN YEAR

		<i>Quarter Hours</i>
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
P Ed 233	Elementary Mass Activity	3
Soc Sc 101-102	History of Western Culture	10
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5

### SOPHOMORE YEAR

Chem 101-102	General Inorganic Chemistry	10
Ed 216	Introduction to Teaching	5
H Ed 300	First Aid and Safety	5
Hum 201-202	World Literature	10
Nat Sc 113	Biological Science	5
P Ed 211-212-213	Seasonal Activities	3
P Ed 235	Introduction to Health, Physical Education, and Recreation	5
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Soc Sc 302	Government	5
Total freshman and sophomore quarter hours		102

### JUNIOR AND SENIOR REQUIREMENTS

Ed 317	Human Growth and Learning	8
Ed 429	Curriculum and Teaching	8
Ed 441	Directed Student Teaching in the Secondary School	10
Ed 446	Seminar for Teachers in the Secondary School	5
H Ed 305	The Total School Health Program	5
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
P Ed 301	Physiology of Muscular Activity	5
P Ed 302	Social and Square Dancing	2
P Ed 304	Applied Anatomy	5
P Ed 305	Corrective Physical Education	3
P Ed 310	Compendium in Physical Education (Majors)	1
P Ed 314	Principles of Physical Education	5
P Ed 316	Intramural and Recreational Activities	5
P Ed 317	Community Play, Recreation, and Camp Counselling	5
P Ed 403	Tests and Measurements in Physical Education	5
P Ed 410-411	Coaching and Officiating I and II	6
P Ed 415	Organization and Administration of Health, Physical Education, and Recreation	5
Electives		5
Total junior and senior quarter hours		93
Total quantitative requirement for graduation		195 hours

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## MINOR IN HEALTH, PHYSICAL EDUCATION, AND RECREATION

		<i>Quarter Hours</i>
H Ed 305	The Total School Health Program	5
P Ed 233	Elementary Mass Activity	3
P Ed 235	Introduction to Health, Physical Education, and Recreation	5
P Ed 301	Physiology of Muscular Activity	5
P Ed 314	Principles of Physical Education	5
P Ed 316	Intramural and Recreational Activities	5
P Ed 415	Organization and Administration of Health, Physical Education, and Recreation	5
	Total	<u>33</u>



## DIVISION OF HUMANITIES

DR. FORREST O. WIGGINS, *Chairman*

### PHILOSOPHY AND PURPOSES

The humanities embrace those skills, understandings, and appreciations which make for a well-rounded, happy life. The humanities are concerned with humane values, exalting the life of man. Thus, the impact of mind upon mind—great minds of the past upon sensitive minds of the present—constantly points the way to the good life.

Specifically, The Division of Humanities provides opportunity for study and analyses of the language, literature, art, and music of the world. The study and analyses are aimed at motivating the student to expand his aesthetic horizon, to enliven his spirit of inventiveness and individuality, and to acquire a finer appreciation and understanding of the human spirit in nations and civilizations similar to or different from his own.

This division comprises the Department of English, the Department of Fine Arts, and the Department of Modern Languages—all centrally concerned with fostering humane competencies, understandings, appreciations, and values.

## DEPARTMENT OF ENGLISH

DR. FORREST O. WIGGINS, *Head*

ARTHUR L. BRENTSON

ETHEL J. CAMPBELL

MARY ELLA CLARK

J. RANDOLPH FISHER

ROBERT HOLT

TIMOTHY C. MEYERS

LOUISE L. OWENS

LUETTA C. UPSHUR

The aims of the Department of English are: (1) to develop proficiency in oral and written language; (2) to assist in developing an appreciation for good literature; (3) to encourage a deep perceptiveness of mind, to make it more flexible and inquisitive; (4) to reveal the operation of the human spirit in our civilization. The ultimate aim of the department is a quality of mind, rather than a mere accumulation of information.

The student who has successfully pursued English as his major subject is expected to demonstrate a facility in distinguishing between that which is genuinely great and that which is less great in literature and human values. He should have more than a passing acquaintance with a representative number of masterpieces in English, American, and world literature. He should have adequate facility, taste, and understanding in expression; and he should have knowledge of principal literary genres, periods, and authors.

## PLAN OF STUDY

All freshman students are given a placement test in English. They are then grouped on the basis of achievement in the test. Superior students may be permitted to register in Humanities 102. Others are assigned to appropriate sections of Humanities 101. Before advancing to Humanities 102 all students must clearly satisfy stated minimum standards in speaking and writing.

A student majoring in English language and literature will complete fifty-eight quarter hours in language, composition, literature, and speech offered by the Department of English. One taking a minor in English will complete thirty quarter hours. Not more than one course in composition may be taken at a time.

The curriculum for prospective teachers of English in the secondary school is listed under caption of the Department of Secondary Education.

## Curriculum for Majors in English Language and Literature

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102	English Communicative Skills	10
Hum 103	English Communicative Skills; Speech	3
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

## SOPHOMORE YEAR

Eng 202	Introduction to English Literature	5
Eng 203	Survey of American Literature	5
Eng 204	Advanced Composition	5
Hum 141-142-143	Elementary French	
or		
Hum 221-222-223	Elementary German	
or		
Hum 161-162-163	Elementary Spanish	15
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5
Total freshman and sophomore quarter hours		94

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Eng 303	The English Romantic Movement	5
Eng 305	Victorian Prose and Poetry	5
Eng 306	Contemporary Prose and Poetry	5
Eng 401	Shakespeare	5
Eng 407	History of the English Language	5
Eng	Elective	5
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Soc Sc 302	Government	5
Minor <sup>2</sup>		30
Electives		20
Total junior and senior quarter hours		95
Total quantitative requirement for graduation		189 hours

## MINORS IN ENGLISH

The Department of English offers the following minor sequences. Students are expressly cautioned that Humanities 201 and 202 are not counted toward a minor in English. The required survey courses are English 202 and 203.

English (Teaching) Minor	English (Non-Teaching) Minor
English 202, 203, 204, 306, 401 and 410 or 411	English 202, 203, 303, 305, 306, and 401

<sup>1</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

<sup>2</sup>Each English major must choose a minor with the advice and approval of the head of the Department of English.

## DEPARTMENT OF FINE ARTS

DR. COLERIDGE A. BRAITHWAITE, *Head*

SAMUEL A. GILL

FLORENCE F. HARRINGTON

PHILLIP J. HAMPTON

FARNESE H. LUMPKIN

JAMES THOMPSON, JR.

The Department of Fine Arts encourages students to find in the several areas of music and the graphic and plastic arts an appreciation of aesthetic values in general education and opportunities for the development of their special interests and abilities in these fields. In conformance with the stated philosophy of the college, the department stresses specific objectives in the areas of music and art.

### GRAPHIC AND PLASTIC ARTS

The courses in graphic and plastic arts are intended to:

- (1) Provide students with the skills and experiences necessary for teaching art in elementary and secondary schools;
- (2) Prepare students essentially for pure, creative production;
- (3) Provide basic preparation for further study in the various professional fields of art;
- (4) Provide electives for the total growth of students; and
- (5) Enrich the community through art activities such as exhibitions, motion pictures, lectures, and art clubs.

### ART EDUCATION

To implement the foregoing objectives, the Department of Fine Arts offers courses leading to the degree of Bachelor of Science in Education, with a concentration in art education. The curriculum is outlined on page 58, under caption of the Division of Education. A graduate who has completed the art education program may be recommended to the Division of Teacher Certification for the credential to teach art in grades one through twelve.

### THE MUSIC PROGRAM

The courses in music lead to the degree of Bachelor of Science in Education, with a concentration in music education. The program is listed on page 59, under caption of the Division of Education.

The curriculum prepares students for certification by the State Department of Education as teachers of music in grades one through twelve; and it provides training in individual and group participation. Adequate preparation for choral conductors and band directors is stressed. Functional piano facility is encouraged for all majors.

It is expected that in all phases of the music program students will be aware of their tremendous responsibility to enrich the lives in their communities by their talents, skills, and musical initiative. The creative impulse is strongly encouraged. Emphasis is continuously placed upon musical activities which develop the entire personality by making

use of all physical and mental resources necessary to performance, whether it be in the instrumental or vocal areas, and in exercising intelligent judgment in the areas of musical creativity and musical psychology.

## ADMISSION TO THE MAJOR PROGRAM IN MUSIC

It is desirable that all applicants for admission to the major program in music will have had at least two years of previous musical training in the vocal and/or instrumental areas. The department will determine by auditions at the time of registration the applicant's theoretical knowledge, instrumental and vocal proficiency, and general professional fitness for the program. This information will serve as a guide to the department in helping the applicant to plan his college work.

## MINORS IN MUSIC

In addition to the major, this department offers the following minor sequences:

### A MINOR IN MUSIC

(For Students Who Do Not Plan To Teach)

		<i>Quarter Hours</i>
Music 100-400	Choral Society/Band/Men's Ensemble/ Women's Ensemble	2
	(Optional credit from minimum participation of two years)	
Music 101-102-103	Fundamentals of Piano/Another Instrument/ Voice	3
Music 201-202-203	Intermediate Piano/Another Instrument/Voice	3
Music 111-112-113	Theory I (Ear-Tr. & S. Sing.)	6
Music 211-212-213	Theory II (Harmony)	6
Music 214-215	History & Literature of Music	10
	Total quarter hours	30

### A MINOR IN MUSIC

(For Students Who Plan to Teach)

		<i>Quarter Hours</i>
Music 100-400	Choral Society/Band/Men's Ensemble/ Women's Ensemble	4
	(Optional credit from minimum participation of two years)	
Music 101-102-103	Fundamentals of Piano/Another Instrument/ Voice	3
Music 201-202-203	Intermediate Piano/Another Instrument/Voice	3
Music 111-112-113	Theory I (Ear-Tr. & S. Sing.)	6
Music 211-212-213	Theory II (Harmony)	6
Music Ed 313-314- 315	Public School Music (Elem./ Junior High/High)	6
Music Ed 409	Choral Techniques	3
Music Ed 410	Band Techniques	3
	Total quarter hours	34



## DEPARTMENT OF MODERN LANGUAGES

DR. HOWARD M. JASON, *Head*

ALTHEA V. MORTON

The aims of the Department of Modern Languages are (1) to develop the ability to communicate in a foreign language, (2) to instill respect for other peoples and other cultures, (3) to develop an appreciation for the artistic expressions of man in other languages, (4) to bring about a greater awareness of our own cultural heritage. Underlying these aims is the ultimate goal of preparation for a more effective life.

### LANGUAGE PROGRAMS

To realize these aims this department offers instruction in the foreign languages generally required in the several curricula of the college. Moreover, this department offers courses leading to the degree of Bachelor of Science in Education (1) with a concentration in French (2) with a concentration in Spanish. A student completing degree requirements with one of these sequences may be recommended for certification to teach the language. The programs for French and Spanish teachers are listed under caption of the Division of Education. The department offers also a minor in French and a minor in Spanish.

The language teaching program requires completion of a minimum of forty-five quarter hours above elementary courses in the same foreign language. The minor requirement is a minimum of twenty-five quarter hours above elementary courses in the same foreign language.

### THE GENERAL REQUIREMENT

The general modern language requirement is one year (15 quarter hours) of acceptable work in one language. Students who have had no foreign language and those who present fewer than two units of high school credit normally take the elementary course. If a student has earned two or more units in a foreign language in high school and continues the study of the same language, he is required to take an examination administered by the Department for placement purposes. When a student begins the study of a foreign language at the intermediate level, two courses are sufficient to meet the language requirement for graduation.

## DIVISION OF NATURAL SCIENCES

DR. BOOKER, T. GRIFFITH, *Chairman*

### DEPARTMENT OF BIOLOGY

DR. BOOKER T. GRIFFITH, *Head*

MARGARET C. ROBINSON

JOSEPH H. WORTHAM

The aims of the Department of Biology are: (1) to provide for all students that knowledge which is essential to an understanding of the biological basis of living; (2) to train persons adequately through the media of advanced courses for entry into the professional study of dentistry, medicine, and nursing; (3) to prepare persons to teach the biological sciences in the secondary school or to continue study on the graduate level.

In addition to the required general courses, this department offers courses leading to the degree of Bachelor of Science with a major in biology. This department offers also a minor.

### PLAN OF STUDY

Biology 123-124 and Natural Science 113 are designed for non-science majors, to realize the aim stated in item (1) foregoing. Biology 204 and 225, 226, are intended as basic courses for students who plan to major in one of the sciences, or who desire training preparatory to either the study of dentistry or graduate study. For persons who plan to teach biology or another of the sciences in the secondary school, this department—collaborating with the departments of chemistry and mathematics and physics—provides a general science concentration. The curriculum is outlined under caption of the Department of Secondary Education.

For the major at least 45 quarter hours, including the following courses, are required: 204, 225, 226, 301, 302, 303, 401. For the minor, at least 30 quarter hours, including Biology 225, 226, 301, 302, and one senior elective, are required.

### Biology Curriculum

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Biol 204	General Botany	6
Chem 101-102	General Inorganic Chemistry	12
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Math 201 <sup>1</sup>	College Algebra	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

<sup>1</sup>Students who lack adequate command of basic mathematics will take Mathematics 107 before attempting college algebra.

## SOPHOMORE YEAR

Biol 203	Genetics	5
Biol 225 <sup>1</sup>	Invertebrate Zoology	6
Biol 226 <sup>1</sup>	Vertebrate Zoology	6
Hum 131	Introduction to Music and Art	5
Hum 201-202	World Literature	10
Math 203	Plane Trigonometry	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5
		<hr/>
Total freshman and sophomore quarter hours		99

## JUNIOR AND SENIOR REQUIREMENTS

Biol 301-302	Comparative Anatomy of Vertebrates	12
Biol 303	Vertebrate Embryology	6
Biol 401	General Physiology	6
Chem 307-308	Organic Chemistry	12
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Hum 141-142-143 or 221-222-223	Elementary French	15
	Elementary German	15
Physics 301-302 <sup>3</sup>	General Physics	12
Soc Sc 302	Government	5
Soc 301	Introduction to Sociology	5
Electives	Junior and senior courses	12
		<hr/>
Total junior and senior quarter hours		90
Total quantitative requirement for graduation		189 hours

## DEPARTMENT OF CHEMISTRY

DR. CHARLES PRATT, *Head*

C. V. CLAY

MARION D. MENDENHALL

WILLIE G. TUCKER

The work in the Department of Chemistry is intended to serve four purposes. (1) It provides a thorough foundation in the general courses for students who seek an understanding of the methods and achievements of the chemist. (2) It provides the needed semi-specialized preparation for students who are majoring in home economics and engineering technology. (3) It affords training for persons who plan to teach science in the secondary school. (4) It provides pre-professional training for students who intend to study dentistry, medicine, and the like, and for those who plan to enter graduate school.

This department offers the required general courses. It offers also a minor sequence. In addition, this department offers courses leading to the degree of Bachelor of Science with a major in chemistry.

<sup>1</sup>Biology 125 is required of students who lack adequate preparation for Biology 225, 226.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

<sup>3</sup>Students who complete the following courses with satisfactory grades will meet the minimum requirement for a physical science concentration, Chemistry 101-102, 307-308, and Physics 301-302.

## PLAN OF STUDY

Chemistry majors are expressly cautioned not to enroll in the science survey courses. The following are normally prescribed for the major: Chemistry 101-102, 203, 303-304, 307-308, 401-402. Students taking a minor in chemistry should complete: Chemistry 101-102, 203, 307-308.

For those who plan to teach science in the secondary school, this department collaborates with the departments of biology and mathematics and physics in providing a general science concentration. The curriculum is listed under caption of the Department of Secondary Education.

### Chemistry Curriculum

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Chem 101-102	General Inorganic Chemistry	12
Chem 203	Qualitative Analysis	6
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Math 201 <sup>1</sup>	College Algebra	5
P Ed 111, 112	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

#### SOPHOMORE YEAR

Biol 123-124 <sup>2</sup>	General Biology	10
Chem 303-304	Quantitative Analysis	10
Hum 131	Introduction to Music and Art	5
Hum 201-202	World Literature	10
Math 203	Plane Trigonometry	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Total freshman and sophomore quarter hours		97

### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Chem 307-308	Organic Chemistry	12
Chem 401-402	Elementary Physical Chemistry	8
Hist 300 <sup>3</sup>	History of the United States and Georgia	5
Hum 141-142-143 or 221-222-223	Elementary French Elementary German	15
Physics 301-302	General Physics	12
Phil 300, 301 or 302	Introduction, Logic or Ethics	5
Soc Sc 201	Psychological Basis for Human Behavior	5

<sup>1</sup>Students who lack adequate command of basic mathematics will take mathematics 107 before attempting college algebra.

<sup>2</sup>Biology minors take Biology 225-226, not 123-124.

<sup>3</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

Soc Sc 302	Government	5
Minor <sup>1</sup>		
and		
Electives	Junior and senior courses	25
	Total junior and senior quarter hours	92
	Total quantitative requirement for graduation	189 hours

## DEPARTMENT OF MATHEMATICS AND PHYSICS

JOHN B. CLEMMONS, *Head*

SYLVIA E. BOWEN

WALTER W. LEFTWICH

PRINCE A. JACKSON

MARTHA W. WILSON

W. V. WINTERS

The aims of the Department of Mathematics and Physics are: (1) to offer all students an opportunity for acquiring those basic skills which are needed for successful living, together with an appreciation of the contributions of these sciences to the cultural heritage; (2) to equip students in business administration and the natural and technical sciences with the means of developing logical thought procedures and insight into physical laws—all of which constitute essential tools in the several fields; (3) to provide training through advanced courses for students preparing to undertake the study of medicine and those planning to enter graduate school; (4) to assure adequate preparation in both content and instructional skills for prospective teachers in the secondary school.

## PROGRAMS FOR MATHEMATICS AND PHYSICS STUDENTS

This department offers the general mathematics courses required in all curricula of the college. It offers also two minor sequences:

### MATHEMATICS MINOR

	<i>Quarter Hours</i>
Mathematics 209	5
Mathematics 312	5
Mathematics 313	5
Mathematics (senior electives)	15
Total	30

### PHYSICS MINOR

	<i>Quarter Hours</i>
Physics 301-302	12
Physics 400	4
Physics (electives from 306, 307, 308, 312)	8
Total	24

<sup>1</sup>A minor in one of the following is suggested: mathematics, physics, biology, English, or a modern language.



It is preferable that the physics minor be taken in combination with a major requiring at least 10 quarter hours of chemistry, 5 quarter hours of college algebra, 5 quarter hours of trigonometry and 10 quarter hours of differential and integral calculus. The minor should begin with Physics 301.

Students who plan to teach mathematics in the secondary school should follow the mathematics teachers program which is listed under caption of the Department of Secondary Education.

This department offers courses leading to the degree of Bachelor of Science with a major in mathematics. The curriculum follows:

### Mathematics Curriculum

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Math 312 <sup>1</sup>	Analysis I (Differential Calculus)	5
Math 313	Analysis II (Integral Calculus)	5
Nat Sc 113	Biological Science	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

#### SOPHOMORE YEAR

Hum 201-202	World Literature	10
Hum 141-142-143	Elementary French	
or 221-222-223	Elementary German	
or 161-162-163	Elementary Spanish	15
Math 314	Analysis III (Limits, Sequences, and Introduction to Advanced Calculus)	5
Math 315	Introduction to Modern Algebra	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 201	Psychological Basis for Human Behavior	5
Soc Sc 302	Government	5
Total freshman and sophomore quarter hours		94

#### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ec 201	Principles of Economics	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Math 304	Introduction to Higher Geometry	5
Math 316	Linear Algebra	5
Math 317	Introduction to Probability and Statistics	5
Math 318	Advanced Probability	5
Math	Senior electives	25
Physics 301-302	General Physics	10
Minor <sup>3</sup>		30
Total junior and senior quarter hours		95
Total quantitative requirement for graduation		189 hours

<sup>1</sup>Students who lack adequate command of college algebra and trigonometry will take these courses before attempting Analysis I.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

<sup>3</sup>A related minor may be accounting or biology or chemistry or physics. Other minor choices are economics, a modern foreign language, English, music, graphic and plastic arts, general home economics, sociology, history, secretarial science, general business administration, etc.

## DIVISION OF SOCIAL SCIENCES

DR. E. J. DEAN, *Chairman*

BLANTON E. BLACK

WILLIAM E. GRIFFIN

JOAN L. GORDON

AMJOGOLLO E. PEACOCK

ELSON K. WILLIAMS

Good citizenship is the supreme goal of the social sciences. To be able citizens, students should have knowledge of human and cultural backgrounds and relationships. This essential knowledge comes through study of history, economics, sociology, political science, and other social sciences.

The Division of Social Sciences contributes to the realization of good citizenship by fostering three aims of higher education: (1) by assisting students to attain those competencies and attitudes essential to all persons in a world of interdependent relationships; (2) by preparing students for advanced study in fields such as social work, sociology, and history; (3) by preparing students for teaching the social studies in the secondary school.

### THE CHOICE OF A MAJOR

In conformance with the foregoing aims this division provides two curricula, each of which leads to the B. S. degree with a major in the social sciences.

The program for persons who plan to teach social studies in the secondary school is listed under caption of the Department of Secondary Education.

The curricula of this division are designed for those who definitely do not wish to qualify for a certificate to teach in the secondary school. Persons interested in careers in: law, government service, Young Men's Christian Association, Urban League work, diplomatic service, and research in general, should choose Curriculum I, with the history concentration. Persons interested in careers as social workers, probation officers, vocational counselors, camp counselors, employment interviewers, juvenile court workers, and officials in the immigration service, should choose Curriculum II, with a concentration in sociology, leading to the professional study of social work.

This division discourages substitutions for the required courses in the concentration. When such approval is granted, it must be reviewed and approved by the Dean of Faculty before becoming effective.

## Social Sciences Curriculum I: Concentration in History

## FRESHMAN YEAR

*Quarter Hours*

Biol 123-124	General Biology	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Hum 131	Introduction to Music and Art	5
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10

## SOPHOMORE YEAR

Ec 201	Principles of Economics	5
Hum 201-202	World Literature	10
Hum 141-142-143	Elementary French	
or 221-222-223	Elementary German	
or 161-162-163	Elementary Spanish	15
Nat Sc 203	Physical Science	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 111	World and Human Geography	5
Soc Sc 201	Psychological Basis for Human Behavior	5

Total freshman and sophomore quarter  
hours

—  
94

## JUNIOR AND SENIOR REQUIREMENTS

*Quarter Hours*

Hist 305	History of the United States through the Civil War	5
Hist 306	History of the United States from the Civil War to the Present	5
Hist 408	Russian History	5
Hist 410	History of the Far East	5
Hist 411	Introduction to Historical Seminar	5
Hist 412	History of England	5
Hist 431	History of Europe from the Middle Ages to 1815	5
Hist 432	History of Europe from 1815 to the Present	5
Soc Sc 302	Government	5
Soc 301	Introduction to Sociology	5
Minor <sup>1</sup>		30
Electives		15
Total junior and senior quarter hours		95
Total quantitative requirement for graduation		189 hours

<sup>1</sup>Suggested minors: English, biology, mathematics, economics.

## Social Sciences Curriculum II: Concentration in Sociology Leading to the Professional Study of Social Work

(Freshman and sophomore courses are the same as  
in Social Sciences Curriculum I, foregoing)

Total freshman and sophomore quarter  
hours 94

### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Ec 302	Current Economic Problems	5
Hist 305	History of the United States through the Civil War	5
Hist 306	History of the United States from the Civil War to the Present	5
Soc Sc 302	Government	5
Soc 301	Introduction to Sociology	5
Soc 302	History of Social Thought	5
Soc 405	The Family	5
Soc 451	Modern Social Problems	5
Soc 452	Techniques of Social Investigation	5
Soc 453	Criminology	5
Soc 455	Introduction to Social Work	5
Minor <sup>1</sup>		30
Elective		10
		<hr/>
Total junior and senior quarter hours		95
Total quantitative requirement for graduation		189 hours

### MINORS IN SOCIAL SCIENCES

The Division of Social Sciences offers also the following minor sequences:

#### MINOR IN HISTORY

	<i>Quarter Hours</i>
Hist 305-306	10
Hist 408	5
Hist 410 <sup>2</sup>	5
Hist 431-432	10
	—
Total	30

#### MINOR IN SOCIOLOGY

	<i>Quarter Hours</i>
Ec 201	5
Soc 301	5
Soc 302	5
Soc 451	5
Soc 452	5
Soc 453	5
	—
Total	30

<sup>1</sup>Suggested minors: general business administration, home economics, biology, English, economics, mathematics.

<sup>2</sup>English majors take History 412 instead of 410.

## DIVISION OF TECHNICAL SCIENCES

DR. CLYDE W. HALL, *Chairman*

### ORGANIZATION AND DEGREE PROGRAMS

The Division of Technical Sciences comprises instructional programs in engineering technology, home economics, and industrial teacher education. Instructional activities are organized within the Department of Engineering Technology and the Department of Home Economics. The former offers courses leading to the degree of Bachelor of Science, with majors in building construction technology, electronics technology, and mechanical technology. The latter offers courses leading to the degree of Bachelor of Science with a major in foods, nutrition, and institution management, and a major in textiles and clothing.

### BASIC PREPARATION FOR TECHNICAL EDUCATION

Offerings of this division are, in the main, designed to fit graduates for immediate employment as professional and semi-professional workers in technical home economics and engineering technology. Intensive training for careers in these areas presupposes a good foundation in applied sciences. Accordingly, thorough high school preparation in physics, algebra, plane geometry, trigonometry, and industrial shop is essential for all who plan to study engineering technology. A knowledge of chemistry is essential for those who go into technical home economics.

### INDUSTRIAL TEACHER EDUCATION

A previously noted, industrial teacher education is also a function of the Division of Technical Sciences. Specifically, this division offers the required shop work and special subject preparation for students who plan to teach industrial arts and trade and industrial subjects. The industrial arts education program does not prepare graduates for employment as skilled or semi-skilled workers in industry. On the contrary, it provides instruction in a variety of industrial shop activities. This instruction, augmented by appropriate general and professional education, prepares graduates to teach industrial arts in the secondary school. The trade and industrial education program is designed for those who plan to teach trade and industrial subjects on a vocational basis in the secondary school. In order to pursue this program one must have already learned a trade and worked in industry for two years as a journeyman at the trade he is preparing to teach. The industrial arts education and trade and industrial education curricula are listed under caption of the Division of Education.



## DEPARTMENT OF ENGINEERING TECHNOLOGY

FREDERICK D. BROWNE, II, *Head*

EDDIE B. BIVINS

CHARLES PHILSON

LEROY W. BROWN

ROBERT PINDAR

EUGENE J. JACKSON

FRANK D. THARPE

Engineering technology embraces the physical sciences, mathematics, and the practices of modern industry which are utilized in the design and manufacture of the machines, structures, power sources, communication systems, and materials needed to maintain a highly civilized society. The activities of engineering technology are concerned with translating the concepts and theories of professional engineers and scientists into actual devices and products by using laboratory tests to provide data for rational designs. These tests are followed by interpretations of data and preparation of working drawings for use by skilled craftsmen who produce the devices and products.

Thus, to prepare men and women with technical knowledge and skills essential to modern society, the Department of Engineering Technology offers courses in building construction, electronics, and mechanical technology. Each of the following programs leads to the degree of Bachelor of Science.

## BUILDING CONSTRUCTION TECHNOLOGY

The curriculum in building construction technology is designed to provide ample instruction in those areas of knowledge required for successful performance in these capacities:

*Architectural and Structural Draftsman and Designer*—plans, designs, and supervises construction of frame, steel, and concrete structures; makes architectural inspections and appraisals for architects and builders.

*Construction Surveyor*—does topographic mapping, calculates land areas; executes surveys of construction projects.

*Estimator*—determines quantities and costs of materials and labor required to erect structures.

*Materials Tester*—determines mechanical properties of materials used in the erection of structures.

## Building Construction Technology Curriculum

### FRESHMAN YEAR

		<i>Quarter Hours</i>
Bldg Tech 103	Calculating Devices	2
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
Math 209	Plane Analytic Geometry	5
Mech Tech 101-102-103	Engineering Drawing I-II-III	15
P Ed 111, 113	Seasonal Activities	2

### SOPHOMORE YEAR

Bldg Tech 201	Construction Materials	5
Bldg Tech 202	Construction Methods I	5
Bldg Tech 203	Surveying I	5
Math 312, 313	Analysis I, II	10
Mech Tech 201	Statics	5
Mech Tech 202	Dynamics	5
Mech Tech 203	Strength of Materials I	5
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 102	History of Western Culture	5

Total freshman and sophomore quarter hours 96

### JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Bldg Tech 301	Surveying II	5
Bldg Tech 302-303	Construction Methods II-III	10
Bldg Tech 312-313	Building Design I-II	10
Bldg Tech 401-402	Estimating I-II	10
Bldg Tech 411	Building Design III	5
Bldg Tech 412	Codes, Specifications, and Contracts	5
Bldg Tech 413	Building Design IV	5
Bus Adm 225	Business Writing	5
Bus Adm 317	Business Law	5
Ec 201	Principles of Economics	5
Hist 300 <sup>2</sup>	History of the United States and Georgia	5
Mech Tech 301	Strength of Materials II	5
Mech Tech 403	Fluid Mechanics	5
Physics 301-302	General Physics	10
Soc Sc 302	Government	5
Electives		4
Total junior and senior quarter hours		99
Total quantitative requirement for graduation		195 hours

<sup>1</sup>Students who lack adequate command of algebra will take Mathematics 107 before attempting college algebra.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## ELECTRONICS TECHNOLOGY

The electronics technology curriculum provides instruction in the fundamentals of vacuum tube and semiconductor circuit theory, with emphasis on the application of theoretical principles to actual electronic devices. Graduates of the electronics technology sequence are prepared to function in these positions:

*Electronics Draftsman*—prepares working drawings of electronic devices.

*Research Analyst*—engages in design and development activities involved in producing new electronic devices.

*Communications Technician*—performs accurate tests of the performance of new electronic devices for manufacturers of electronic components; installs, operates, and maintains various types of communications equipment.

## Electronics Technology Curriculum

## FRESHMAN YEAR

		<i>Quarter Hours</i>
Bldg Tech 103	Calculating Devices	2
Ed 100	Freshman Lectures	(R)
Elecs Tech 103	Electrical Practices	5
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
Math 209	Plane Analytic Geometry	5
Mech Tech 101-102	Engineering Drawing I-II	10
P Ed 111, 113	Seasonal Activities	2

## SOPHOMORE YEAR

Elec Tech 201, 202	Direct & Alternating Current Circuits	10
Elecs Tech 203	Vacuum Tubes & Semiconductors I	5
Elecs Tech 213	Electrical Machinery	5
Hum 201-202	World Literature	10
Math 312, 313	Analysis I, II	10
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 102	History of Western Culture	5
Total freshman and sophomore quarter hours		96

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Bus Adm 225	Business Writing	5
Bus Adm 317	Business Law	5
Ec 201	Principles of Economics	5
Elecs Tech 301	Vacuum Tubes & Semiconductors II	5
Elecs Tech 302-303	Electronic Circuits I-II	10
Elecs Tech 311	Electrical Measurements	5
Elecs Tech 312-313	Receivers I-II	10
Elecs Tech 401	Television Laboratory	5
Elecs Tech 402	Amplitude Modulation Transmitters	5
Elecs Tech 403	Frequency Modulation Transmitters	5

<sup>1</sup>Students who lack adequate command of algebra will take Mathematics 107 before attempting college algebra.

### Electronics Technology Curriculum—Continued

Elecs Tech 411	Servomechanisms	5
Elecs Tech 412	Communications Law	5
Elecs Tech 413	Industrial Electronics	5
Elecs Tech 423	Microwaves	5
Hist 302 <sup>2</sup>	History of the United States and Georgia	5
Physics 301	General Physics	5
Soc Sc 302	Government	5
Electives		4
		<hr/>
Total junior and senior quarter hours		99
Total quantitative requirement for graduation		195 hours

### MECHANICAL TECHNOLOGY

The mechanical technology curriculum provides an opportunity for a student to receive comprehensive engineering experience which will enable him to design machinery and to prepare working drawings of the same for industry. A graduate of the mechanical technology program is qualified to assume the responsibilities of these positions:

*Machine Designer*—designs machines and instruments for industry.

*Mechanical Draftsman*—drafts from specifications sketches of proposed mechanical devices and prepares accurate scale drawings of mechanisms.

*Automotive Technician*—develops, tests, services, and maintains automotive equipment.

### MECHANICAL TECHNOLOGY CURRICULUM

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Bldg Tech 103	Calculating Devices	2
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Math 201 <sup>1</sup>	College Algebra	5
Math 203	Plane Trigonometry	5
Math 209	Plane Analytic Geometry	5
Mech Tech 101-102-103	Engineering Drawing I-II-III	15
P Ed 111, 113	Seasonal Activities	2

#### SOPHOMORE YEAR

Math 312, 313	Analysis I, II	10
Mech Tech 201	Statics	5
Mech Tech 202	Dynamics	5
Mech Tech 203	Strength of Materials I	5
Mech Tech 211	Materials and Processes	5
Mech Tech 212-213	Manufacturing Methods I-II	10
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 102	History of Western Culture	5

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Total freshman and sophomore quarter hours 96

<sup>1</sup>Students who lack adequate command of algebra will take Mathematics 107 before attempting college algebra.

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

## JUNIOR AND SENIOR REQUIREMENTS

	<i>Quarter Hours</i>
Bus Adm 225	5
Bus Adm 317	5
Ec 201	5
Eng 203	5
Hist 300 <sup>2</sup>	5
Mech Tech 301	5
Mech Tech 302	5
Mech Tech 303	5
Mech Tech 311	5
Mech Tech 312	5
Mech Tech 402	5
Mech Tech 403	5
Physics 301-302	10
Soc Sc 302	5
Restricted Electives <sup>3</sup>	15
Electives	9
	<hr/>
Total junior and senior quarter hours	99
Total quantitative requirement for graduation	195 hours

## DEPARTMENT OF HOME ECONOMICS

EVANELL R. TERRELL, *Head*

MARTHA M. AVERY

MOLLIE N. CURTRIGHT

ZELIA OWENS

Curricula in the Department of Home Economics afford training leading to the professional degree in the area of clothing and textiles and in foods, nutrition, and institution management.

The program is directed toward two major objectives. The first of these is to enhance the general education of the student through a core curriculum for common learning. The core curriculum has three aims: (1) development of the student as a person, (2) preparation for family life, and (3) preparation for the responsibilities of citizenship in its broadest sense. The second major objective is preparation of the student to enter and advance with assurance and competence in one of the various professions in home economics.

In cooperation with the Division of Business Administration, this department offers, also, two-year terminal courses in dressmaking and tailoring and food production and cookery. These courses are of particular interest for persons who are already engaged in business, or planning to enter business, but who cannot now plan to remain four years in college. A person completing the terminal course is granted a certificate of proficiency.

## ENRICHMENT

The perspective of students in this department is broadened and enriched through required field trips, junior internships, and experi-

<sup>2</sup>If the student has satisfied the history requirement through examination he should now take a senior elective.

<sup>3</sup>Elects Tech 201, 202, 213; Mech Tech 313, 323, 411, 412, 413.



ence affiliations with selected food service institutions and social welfare and textile merchandising establishments.

### MINORS

To assist students in their avocational choices and in planning for productive community living, the Department of Home Economics offers these minors—textiles and clothing, foods and nutrition, general home economics, and a pre-school education sequence.

Any student who plans to enter the field of home economics should confer with the head of this department before beginning registration.

### Core Courses for all Home Economics Students

		<i>Quarter Hours</i>
H Ec 100	Introduction to Home Economics	1
Art 130	Principles of Art	3
Art 330	Interior Design	3
F L 351	Child Development	5
F L 406	Family Relationships	3
F L 445	Home Management Residence	5
Foods 210	Food Selection and Preparation	4
Foods 211	Advanced Foods	4
T & C 152	Elementary Textiles	3
T & C 231	Principles of Clothing	3
Nutr 316	Normal Nutrition	3
Total		37

### Foods and Nutrition and Institution Management Curriculum

#### FRESHMAN YEAR

		<i>Quarter Hours</i>
Art 130	Principles of Art	3
Chem 101-102	General Inorganic Chemistry	10
Ed 100	Freshman Lectures	(R)
H Ed 112	Personal Health	1
H Ec 100	Introduction to Home Economics	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Nat Sc 101	Functional Mathematics	5
P Ed 111, 113	Seasonal Activities	2
Soc Sc 101-102	History of Western Culture	10
T & C 152	Elementary Textiles	3

#### SOPHOMORE YEAR

Art 234	Advanced Art	3
Biol 225	Invertebrate Zoology	6
Foods 210	Food Selection and Preparation	4
Foods 211	Advanced Foods	4
Hist 300 <sup>1</sup>	History of the United States and Georgia	5
Hum 201-202	World Literature	10
Hum 141-142	Elementary French	10
P Ed 211-212-213	Seasonal Activities	3
Soc Sc 201	Psychological Basis for Human Behavior	5
T & C 231	Principles of Clothing	3
Total freshman and sophomore quarter hours		101

<sup>1</sup>Students who have satisfied the history requirement through examination before the spring quarter of the sophomore year, will take Economics 201 instead of History 300.

## JUNIOR AND SENIOR REQUIREMENTS

## Foods and Nutrition Option

		<i>Quarter Hours</i>
Acct 201	Principles of Accounting	5
Art 330	Interior Design	3
Biol 306	Bacteriology	6
Biol 307	Anatomy and Physiology	5
Chem 307-308	Organic Chemistry	12
Chem 404	Biochemistry	5
Ch Dev 351	Child Development & Nursery School Participation	5
F L 342	Consumer Problems	2
F L 352	Home Management and Equipment	3
F L 406	Family Relationships	3
F L 445	Home Management Residence	5
Foods 319	Meal Planning	3
Foods 400	Demonstration Cookery	3
Foods 431	Experimental Cookery	5
Nutr 316	Normal Nutrition	3
Nutr 351	Nutrition and Dietetics	5
Nutr 452	Infant and Child Nutrition	3
Nutr 455	Field Work in Nutrition	3
Nutr 461	Methods of Teaching Nutrition	3
Physics 304	Physics for Students of Home Economics	5
Soc Sc 302	Government	5
Elective		2
Total junior and senior quarter hours		94
Total quantitative requirement for graduation		195 hours

## JUNIOR AND SENIOR REQUIREMENTS

## Institution Management Option

		<i>Quarter Hours</i>
Acct 201	Principles of Accounting	5
Art 330	Interior Design	3
Biol 306	Bacteriology	6
Biol 307	Anatomy and Physiology	5
Chem 307-308	Organic Chemistry	12
Chem 404	Biochemistry	5
F L 406	Family Relationships	3
F L 445	Home Management Residence	5
Foods 319	Meal Planning	4
Foods 335	Quantity Cookery	3
Foods 431	Experimental Cookery	5
I M 319	Marketing and Buying	5
I M 433	Organization and Management	5
Nutr 316	Normal Nutrition	3
Nutr 351	Nutrition and Dietetics	5
Nutr 451	Diet Therapy	5
Nutr 461	Methods of Teaching Nutrition	3
Physics 304	Physics for Students of Home Economics	5
Soc Sc 302	Government	5
Elective		2
Total junior and senior quarter hours		94
Total quantitative requirement for graduation		195 hours

## Textiles and Clothing Curriculum

(Freshman and sophomore courses are the same as in the foregoing curriculum, except that Art 232 replaces Art. 234.)

Total freshman and sophomore quarter  
hours 100

## JUNIOR AND SENIOR REQUIREMENTS

		<i>Quarter Hours</i>
Acct 201	Principles of Accounting	5
Art 330	Interior Design	3
Art 420	Weaving	3
Bus Adm 306	Retailing	
or Bus Adm 325	Principles of Marketing	5
Ch Dev 351	Child Development and Nursery School Observation	5
F L 342	Consumer Problems	2
F L 352	Home Management and Equipment	3
F L 406	Family Relationships	3
F L 445	Home Management Residence	5
Foods 319	Meal Planning	3
Nutr 316	Normal Nutrition	3
Soc Sc 302	Government	5
T & C 351	Advanced Dressmaking	4
T & C 400	Tailoring	4
T & C 410	Draping and Dress Design	3
T & C 415	Millinery	3
T & C 420	Children's Clothing	3
T & C 450	Advanced Textiles	3
T & C 463	Problems in Clothing	3
T & C 464	Advanced Problems in Clothing	3
T & C 465	Field Problems in Clothing and Merchandising	6
Electives		18
		<hr/>
Total junior and senior quarter hours		95
Total quantitative requirement for graduation		195 hours

## GENERAL HOME ECONOMICS MINOR

		<i>Quarter Hours</i>
Art 330	Interior Design	3
Ch Dev 351	Child Development and Nursery School Observation	5
Foods 210	Food Selection and Preparation	
or Foods 211	Advanced Foods	4
Foods 319	Meal Planning	3
Foods 334	School Lunch	
or Foods 335	Quantity Cookery	3
Foods 400	Demonstration Cookery	3
Nutr 316	Normal Nutrition	3
Nutr 452	Infant & Child Nutrition	3
T & C 420	Children's Clothing	3
		<hr/>
Total		30

## TEXTILES AND CLOTHING MINOR

Art 232	Costume Art	
or Art 420	Weaving	3
Art 330	Interior Design	3
Ch Dev 351	Child Development and Nursery School Observation	
or Ch Dev 371	Play and Play Materials	3
T & C 231	Principles of Clothing	3
T & C 351	Advanced Dressmaking	4
T & C 400	Tailoring	4
T & C 415	Millinery	3
T & C 450	Advanced Textiles	3
	(Two of the following)	
T & C 410	Draping & Dress Design	
463	Problems in Clothing	
464	Advanced Problems in Clothing	6
	Total	32

## PRESCHOOL EDUCATION SEQUENCE

Ch Dev 352	Nursery School Observation and Participation	3
Ch Dev 371	Play and Play Materials	3
Ch Dev 454	The Child and His Family	5
Ch Dev 457	Story Telling and Songs for the Preschool Child	2
Nutr 452	Infant and Child Nutrition	3
	Total	16

TERMINAL COURSES<sup>1</sup>

## DRESSMAKING AND TAILORING

Intended for graduates of approved high schools, this program is designed for persons who desire to specialize in dressmaking or become owners of small shops.

## FIRST YEAR

		<i>Quarter Hours</i>
T & C 231	Principles of Clothing	3
Acct 201	Principles of Accounting	5
Art 232	Costume Art	2
Hum 101-102	English Communicative Skills	10
Nat Sc 101	Functional Mathematics	5
T & C 351	Advanced Dressmaking	4
Art 130	Principles of Art	3
T & C 152	Elementary Textiles	3
Ec 201	Principles of Economics	5
Bus Adm 105	Introduction to Business	5
Bus Adm 225	Business Writing	5

<sup>1</sup>All terminal students are cautioned that, in addition to these prescribed courses, they must satisfy the history and constitutions requirements.

## SECOND YEAR

Soc Sc 302	Government	5
T & C 400	Tailoring	4
T & C 410	Draping and Dress Design	3
T & C 463	Problems in Clothing	3
T & C 351	Advanced Dressmaking	4
Art 330	Interior Design	3
T & C 415	Millinery	3
Art 420	Weaving	3
B A 306 or 325	Retailing or Principles of Marketing	5
T & C 450	Advanced Textiles	3
T & C 420	Children's Clothing	3
B A 304	Salesmanship	5
T & C 464	Advanced Problems in Clothing	3
Total		<u>97</u>

## FOOD PRODUCTION AND COOKERY

This program, designed for graduates of approved high schools, provides basic preparation for employment in an institutional business or in food production and service.

## FIRST YEAR

		<i>Quarter Hours</i>
Art 130	Principles of Art	3
Bus Adm 105	Introduction to Business	5
Foods 210	Food Preparation	4
Foods 211	Advanced Foods	4
Foods 319	Meal Planning	3
H Ec 100	Introduction to Home Economics	1
Hum 101-102; 103	English Communicative Skills; Speech	13
Nat Sc 101	Functional Mathematics	5
H Ed 112	Personal Health	1
P Ed 111, 113	Seasonal Activities	2
Soc Sc 111	World and Human Geography	5
Text 152	Elementary Textiles	3

## SECOND YEAR

Acct 201	Principles of Accounting	5
Art 330	Interior Design	3
Bus Adm 304	Salesmanship	5
Ec 201	Principles of Economics	5
Foods 400	Demonstration Cookery	3
I M 319	Marketing & Buying	5
I M 335	Quantity Cookery	3
I M 433	Organization and Management	5
I M 460	Catering	3
I M 480	Institutional Baking	6
Soc Sc 302	Government	5
Total		<u>97</u>



## DIVISION OF HOME STUDY

In addition to instruction on the campus, Savannah State College is authorized to operate the following programs:

1. College correspondence study
2. Supervised high school study
3. Extension classes
4. Informal adult programs

Such programs have become recognized services of public education, reflecting a sense of obligation to those who cannot undertake residence instruction and to those who do not require residence instruction for personal growth and enrichment.

Extension classes and adult programs are provided upon sufficient demand.

### Correspondence Study

Students registering in correspondence study should be graduates of accredited high schools.

College correspondence study is designed as an auxiliary to the regular campus classroom study. The courses follow the same general outline used in the classroom. Study materials and instructors are often the same as those in residence.

Courses completed in these programs, (correspondence and extension), and courses completed in similar programs at recognized institutions will be accepted for credit toward graduation at Savannah State College under the following conditions:

1. Not more than 45 quarter hours may be earned in correspondence and/or extension.
2. Not more than 50% of the required courses in the major or minor may be completed in correspondence and/or extension.
3. Courses in the professional education sequence may not be taken in correspondence or extension study.
4. Courses may not be taken in correspondence or extension study to remove deficiencies earned in residence.

Students desiring to have correspondence or extension credit counted toward graduation should obtain written permission therefor from the Dean of Faculty and present this statement to the office of the Division of Home Study.

Information concerning credit, fees, examinations, textbooks, etc., may be obtained from

The Division of Home Study  
Savannah State College  
Savannah, Georgia

## COURSE DESCRIPTIONS

### ACCOUNTING

201. **PRINCIPLES OF ACCOUNTING.** An introductory course in college accounting, to give basic knowledge of accounting principles and methodology. Detailed study of the technique and formation of balance sheets, profit and loss statements, ledger accounts, and journals. Prerequisite: Business Administration 103. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

202-203. **PRINCIPLES OF ACCOUNTING.** An introduction to the accounting principles of partnership, corporations, departmental accounting, branch accounting, accounting controls and taxation. Emphasis on preparation, consolidation, analysis, and interpretation of financial statements and other reports commonly used in modern business establishments. *Five class hours a week. Winter and spring quarters. Credit, five quarter hours each quarter.*

301. **INTERMEDIATE ACCOUNTING.** Theory and practice of accounts are explained by the problem method. The problems are designed to test the student's ability to analyze and interpret a statement of financial facts and to draw correct inferences therefrom. Attention is given to the general literature in the field of accounting. Prerequisites: Accounting 202-203. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

302. **INTERMEDIATE ACCOUNTING.** Introduction to accounting for investments, funds and reserves. Emphasis on problems of accounting as related to management of business. Prerequisites: Accounting 301. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

405. **COST ACCOUNTING.** A study of basic cost principles, control and costing of manufacturing cost elements, job-order cost systems, standard costs and budget, and executive and managerial uses of costs. The course is developed to demonstrate that cost accounting for distribution, and for management of non-processing business units, and non-profit enterprises, is as essential a part of cost accounting as manufacturing costs. Prerequisites: Accounting 202-203. *One class hour and four two-hour laboratory periods a week. Winter quarter. Credit, five quarter hours.*

406. **AUDITING.** A study of the balance sheet audit, including methods of verifying assets, liabilities, capital and income, and expenses. Prerequisite: Accounting 302. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

425. **FEDERAL INCOME TAX PROCEDURE.** An analysis of the Federal Income Tax Law and its application to individuals and partnerships. Extensive practical problems. The preparation of returns; administration. Prerequisites: Accounting 202-203. *Three class hours a week. Credit, three quarter hours. Offered in the fall quarter, alternate years.*

### ART

(Applied)

130. **PRINCIPLES OF ART.** Fundamental principles of art and their practical application in the use of color, line, and form. Emphasis is placed upon recognition and appreciation of beauty in the immediate surroundings. *One class hour and two two-hour laboratory periods a week. Fall. Winter. Credit, three quarter hours.*

232. **COSTUME ART.** Study of dress with emphasis on line and color in relation to the individual. Problems include figure drawing, planning a personal wardrobe, adapting current and historic modes to individual appearance, creating color ensembles, correcting the figure with designs, and improving poor selection. Prerequisite: Art 130. *One class hour and one two-hour laboratory periods a week. Fall. Spring. Credit, two quarter hours.*

234. **ADVANCED ART.** (Formerly 430, Applied Design.) A continuation of basic art. Further practice in the application of color to line and form in dress design. Prerequisite: Art 130. *One class hour and two two-hour laboratory periods a week. Fall. Spring. Credit, three quarter hours.*

330. **INTERIOR DESIGN.** Planning, designing, and decorating single rooms, apartments, and houses to meet personal, family, and economic problems involved in comfortable, present-day aesthetic needs. Problems include drawing house plans, arrangements, etc., and selecting suitable furnishings, color, and treatment of backgrounds. *One class hour and two two-hour laboratory periods a week. Fall. Spring. Credit, three quarter hours.*

420. **WEAVING.** Terms and techniques of weaving on four-harness table and floor looms; creative drafting and pattern weaving; design, color, and texture applied to textile construction; recent trends and developments. *One class hour and two two-hour laboratory periods a week. Winter quarter. Credit, three quarter hours.* For majors and non-majors.

(Art Education)

304. **ART EDUCATION.** An introduction to art education, philosophy, and practice. The program revolves around discussion, observation, and studio participation. *One class hour and two two-hour studio periods a week. Fall. Credit, three quarter hours.*

401. **PUBLIC SCHOOL ART.** This course is designed to give pre-service and in-service teachers a basis for developing an elementary art program. Work is given in three-dimensional and two-dimensional forms. *One class hour and four two-hour studio periods a week. Fall. Winter. Spring. Credit, five quarter hours.*

(Graphic and Plastic Arts)

103. **BASIC ART.** (Formerly 100-101, Basic Art) An introduction to the core principles and elements of all graphic and plastic design. Problems and discussion evolve around two and three-dimensional design. *One class hour and four two-hour studio periods a week. Spring. Credit, five quarter hours.*

108. **DRAWING.** Problems in various drawing media. Emphasis on the human form. Studio problems and field trips. *Four two-hour studio periods a week. Spring. Credit, four quarter hours.*

214. **BASIC WEAVING.** Dealing with the problems of stimulating the child to think creatively while working with the medium of textiles. Emphasis is placed upon spontaneously created designs as opposed to professional patterns. Prerequisite: Art 103. *One class hour and two two-hour studio periods a week. Spring. Credit, three quarter hours.*

218. **METAL DESIGN.** An introduction to metal qualities and techniques of working with metal. Problems in jewelry, enameling, repouse, and simple metal designs. Prerequisite: Art 103. *One class hour and two two-hour studio periods a week. Spring. Credit, three quarter hours.*

322. **PAINTING I.** An introduction to painting media and painting techniques, still-life portrait, landscapes, etc. Prerequisite: Art 103. *Five two-hour studio periods a week. Winter. Credit, five quarter hours.*

323. **PAINTING II.** Advanced problems in painting; concentration on various media. *Five two-hour studio periods a week. Spring. Credit, five quarter hours.*

333. **SCULPTURE.** A study of three-dimensional forms and the limitations of sculptural media. Experiences include work in clay, wood, stone, and metal. *One class hour and four two-hour studio periods a week. Winter. Credit, five quarter hours.*

430. PRINTMAKING. This course is designed to provide creative experiences in the reproductive arts such as lithography, etching, block prints, serigraphy, etc. *One class hour and three two-hour studio periods a week. Fall. Credit, four quarter hours.*

438. CERAMICS I. An initial study of ceramic processes such as modeling, stacking, firing, glazing, and decorating ceramic forms. *Two three-hour studio periods a week. Fall. Credit, three quarter hours.*

439. CERAMICS II. A continuation of Art 438. Emphasis on designing, decorating, potter's wheel and ceramic sculptures. *One class hour and two two-hour studio periods a week. Winter. Credit, three quarter hours.*

#### (History)

450. HISTORY OF ART I. A study of art from earliest times through the medieval period. *Three class hours a week. Fall. Credit, three quarter hours.*

451. HISTORY OF ART II. A study of art from the Renaissance through the 18th century. *Three class hours a week. Winter. Credit, three quarter hours.*

#### BIOLOGY

123-124. GENERAL BIOLOGY. The fundamental principles of plant and animal life. A two-quarter introductory course designed for students in general education. Biology 123 is prerequisite to Biology 124. *Three class hours and two two-hour laboratory periods a week, two quarters. Credit, five quarter hours each quarter.*

125. AN INTRODUCTION TO THE BIOLOGICAL SCIENCES. Basic principles of the biological sciences are studied technically, to provide a better foundation for the higher courses. Required of all majors and minors in the biological sciences. *Three class hours and two two-hour laboratory periods a week. Credit, five quarter hours.*

203. PRINCIPLES OF GENETICS. Designed to give the student a detailed knowledge of the application of the laws of heredity and variation to man and other organisms. Prerequisite: twelve hours of biological sciences. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

204. GENERAL BOTANY. A one-quarter course. A general survey of the main types of plants, their classification, structure, and interest to man. *Three class hours and three two-hour laboratory periods a week. Spring quarter. Credit, six quarter hours.*

225. INVERTEBRATE ZOOLOGY. This course deals with the major phyla and classes of invertebrate animals. The lectures cover the morphology, physiology, life histories and taxonomic relationships of selected representatives of the groups. The otherwise prepared specimens are used for observation and dissection. Detailed knowledge of the morphology of the types used is required of the students. Prerequisite: Biology 125. *Three class hours and three two-hour laboratory periods a week. Fall quarter. Credit, six quarter hours.*

226. VERTEBRATE ZOOLOGY. A study of the phylum chordata. Special emphasis is given to the origin of the chordates, their basic anatomical organization, and their well-documented evolutionary history. Even though morphological principles constitute a sizeable part of the course, the lives and habits (including behavioral, physiological, and ecological adaptations) of the major groups are also stressed. The laboratory work includes a general introduction to the various taxonomic groups and a somewhat detailed study of Amphioxus, the frog, and the fetal pig. Prerequisites: Biology 125, 225. *Three class hours and three two-hour laboratory periods a week. Winter quarter. Credit, six quarter hours.*



301-302. **COMPARATIVE ANATOMY OF VERTEBRATES.** A comparative study of the organ systems from a series of selected vertebrates. From the simplest through the most complex types of vertebrates, with special reference to man. Prerequisite: Biology 225 and 226. *Three class hours and three two-hour laboratory periods a week. Fall and winter quarters. Credit, six quarter hours each quarter.*

303. **VERTEBRATE EMBRYOLOGY.** The early embryological development of vertebrates, including fertilization, cleavage, and origin of organ systems. Prerequisite: Biology 225, 226, 301, 302. *Three class hours and three two-hour laboratory periods a week. Spring quarter. Credit, six quarter hours.*

306. **GENERAL BACTERIOLOGY.** General methods for the culture of micro-organisms. Methods of staining and isolating bacteria commonly found in many foods. Prerequisites: six hours of biological science, six hours of organic chemistry. *Three class hours and three two-hour laboratory periods a week. Spring quarter. Credit, six quarter hours.*

307. **ANATOMY AND PHYSIOLOGY.** A detailed study of the location and functions of the organs in the human body. Prerequisite: ten hours of biological science. A knowledge of chemistry is desirable. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

401-402. **GENERAL PHYSIOLOGY.** A study of the physiological principles that occur within the animal kingdom. Prerequisites: Biology 225-226, 301-302, together with six hours of organic chemistry and six hours of physics. *Three class hours and three two-hour laboratory periods a week. Fall and winter quarters. Credit, six quarter hours each quarter.*

403. **ANIMAL HISTOLOGY AND MICROLOGY.** Laboratory technique. Details of cell structure; elements of tissue; tissue culture; tissue complexes. Prerequisites: Biology 225-226, 301-302. A knowledge of chemistry is desirable. *Three class hours and three two-hour laboratory periods a week. Spring quarter. Credit, six quarter hours.*

## BUILDING CONSTRUCTION TECHNOLOGY

103. **CALCULATING DEVICES.** A study of the proper methods for using slide rules, desk calculators, and other calculating devices. *Two class hours a week. Spring. Credit, two quarter hours.*

201. **CONSTRUCTION MATERIALS.** A study of the methods used to manufacture lumber, stone and clay products, binders, concretes, ferrous alloys, and non-ferrous metals and alloys. Prerequisite: Mechanical Technology 103. *Five class hours a week. Fall. Credit, five quarter hours.*

202. **CONSTRUCTION METHODS I.** A study of the practical techniques used to fabricate wooden structures. Prerequisite: Building Construction Technology 201. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

203. **SURVEYING I.** A study of surveying instruments; measurements of distance, elevations, angles, and directions; differential and profile leveling. Prerequisite: Mathematics 203. *Two class hours and three two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

301. **SURVEYING II.** A study of land, route, and construction surveying. Prerequisite: Building Construction Technology 203. *Two class hours and three two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

302. **CONSTRUCTION METHODS II.** A study of the practical techniques used to fabricate steel and masonry structures. Prerequisite: Building Construction Technology 201. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*



303. CONSTRUCTION METHODS III. A study of the electrical and mechanical equipment associated with residential and commercial buildings. Prerequisite: Physics 302. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

312. BUILDING DESIGN I. A study of the scientific principles involved in designing wooden structures. Prerequisite: Mechanical Technology 301. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

313. BUILDING DESIGN II. A study of the scientific principles involved in designing metal structures. Prerequisite: Building Construction Technology 312. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

401. ESTIMATING I. A study of the mathematical techniques used to estimate the costs of the land, labor, and materials involved in erecting residential and commercial buildings. Prerequisite: Building Construction Technology 303. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

402. ESTIMATING II. A study of the legal and technical problems involved in estimating the costs of large-scale construction projects. Prerequisite: Building Construction Technology 401. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

411. BUILDING DESIGN III. A study of the scientific principles involved in designing masonry structures. Prerequisite: Building Construction Technology 313. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

412. CODES, SPECIFICATIONS, AND CONTRACTS. A study of the laws governing the erection of buildings and the procedures used to express agreement in business transactions concerning building construction. Prerequisite: Building Construction Technology 401. *Five class hours a week. Winter. Credit, five quarter hours.*

413. BUILDING DESIGN IV. A course wherein the student conceives and designs an original project. Prerequisite: Building Construction Technology 402, 411, and 412. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

## BUSINESS ADMINISTRATION

103. BUSINESS MATHEMATICS. Selected topics pertinent to the field of business; payrolls and balance sheets, annuities, stocks and bonds, and insurance. Required of business majors. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

105. INTRODUCTION TO BUSINESS. A survey of the fundamental facts, ideas, and conception of modern business enterprise. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

225. BUSINESS WRITING. Practice in writing the approved forms of modern business letters and business reports. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

300. OFFICE MACHINES. (Formerly Secretarial Science 415.) Designed to familiarize the student with different types of machines used in various offices, and to develop a reasonable degree of skill in the operation of a few of these office machines. *One class hour and four laboratory hours a week. Credit, five quarter hours.*

304. SALESMANSHIP AND SALES MANAGEMENT. (Retail Store.) A study of personal selling; the goods, services or propositions; types of customers; various

problems of administration; and the selection, training, compensation and management of sales forces. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

306. **RETAILING.** Principles and practices of buying, advertising, selling, and store management as applied to small business enterprises. *Five class hours a week. Credit, five quarter hours.*

307. **PRINCIPLES OF INSURANCE.** The theory of insurance and current insurance practices. Uses of insurance, types of insurance, organization types, policies, mortality, etc. *Five class hours a week. Credit, five quarter hours.*

317. **BUSINESS LAW.** Contracts: their formation, performance rights and remedies of parties, equities, etc. Agencies, sales and their execution. Forms and legal effect of negotiable instruments, rights and liabilities of parties to contract. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

323. **MONEY, CREDIT, AND BANKING.** The principles of money and banking with special reference to their functions in the present organization of economic society. Money and its attendant economic problems; credit; the banking process and the banking system; foreign and domestic exchange; the business cycle, the history of banking both in this country and the more important countries of Western Europe. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

325. **PRINCIPLES OF MARKETING.** A presentation of the two logical divisions of the subject of marketing as a whole; namely, physical distribution and mental distribution. In the consideration of physical distribution such factors are discussed as market methods employed in assembling, transporting, storage, sales, risk taking, etc., as well as channels of distribution. From the side of mental distribution, such factors are discussed as analysis of a commodity, brands, sales methods and management, advertising plans and media, together with the process involved in correlating all these factors in the complete marketing campaign. *Five class hours a week. Credit, five quarter hours.*

403. **ADVERTISING.** Designed to acquaint the student with the uses and limitations of advertising as a tool of management. Consideration is given to advertising as a factor in the "marketing mix" of an organization. Attention is focused on the sales process and psychological objectives of advertising, copy-writing, and layout design. An introduction to various types of advertising media, such as newspaper, magazine, radio, and television; criteria for selection of specific media; published sources of data which indicate the kinds of media available. The course is supplemented by a study of current advertising techniques used by national and local advertisers. *Five class hours a week. Credit, five quarter hours.*

407. **BUSINESS FINANCE.** Principles, problems, and practices associated with the financial management of business institutions. While consideration is given to the financial management of other types of business organizations, major emphasis is placed upon the financial management of corporate enterprise. Promotional and organizational aspects of business financing; the nature and types of equity financing; major types of short-term and long-term debt; capitalization; the analysis of financial statements; the analysis of working capital requirements; reorganization; bankruptcy; methods of inter-corporate financing. *Five class hours a week. Credit, five quarter hours.*

409-410. **BUSINESS LABORATORY.** Practical work in offices and departments of Savannah State College and business concerns in nearby communities. Experiences varied by change of assignment at end of each quarter. By special arrangement, laboratory work may be taken during the summer preceding senior year. Off-campus experience permitted if arranged in advance and supervised. One class hour a week required for study of office management. Includes organization and function of the office and its relation to other departments; selection and training of office personnel; equipment and supplies and their control; budgetary control and similar problems. *One class hour and five two-hour laboratory periods a week. Summer. Fall. Winter. Credit, five quarter hours each quarter.*

412. **PERSONNEL MANAGEMENT.** The tools, methods, procedures, and practices used by business management in recruiting, selecting, and maintaining an efficient and co-operative work force. Major emphasis on: the construction and use of application forms; the nature and use of various interviewing techniques; construction and use of service records; construction and use of job descriptions; job evaluation techniques; merit rating; grievance procedures; collective bargaining; morale and its significance to production. Attention is also directed toward the formulation of policies and the implementation of these policies for the effective utilization of human resources. Thus, consideration is given to problems which may arise among individuals and groups in work situations. Through study of selected cases in which he is expected to identify problems and recommend appropriate action to solve them, the student has opportunity to develop and enhance an administrative point of view. *Five class hours a week. Credit, five quarter hours.*

415. **BUSINESS ORGANIZATION AND MANAGEMENT.** A comprehensive study of principles of business organization and management, with emphasis on small businesses, that are the energizing elements of all types of businesses and of managerial leadership. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

## BUSINESS EDUCATION

350. **MATERIALS AND METHODS OF TEACHING BUSINESS SUBJECTS.** An analysis of specialized methods used in teaching business subjects on the secondary level, from which the student evolves a personal philosophy to determine teaching procedures. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

## CHEMISTRY

101. **GENERAL INORGANIC CHEMISTRY.** Study of the more important non-metallic and metallic elements, with particular emphasis on fundamental principles and practical application to everyday problems. *Three class hours and two (three)\* two-hour laboratory periods a week. Fall and winter quarters. Credit, five (six)\* quarter hours.*

102. **GENERAL INORGANIC CHEMISTRY.** Continuation of Chemistry 101. The laws on which the atomic theory is based; properties of gases, liquids; theory of ionization; methods of preparation and typical reactions. Detailed study of those elements closely related to foods, household operations, and agriculture. *Three class hours and two (three)\* two-hour laboratory periods a week. Winter. Spring. Credit, five (six)\* quarter hours.*

203. **QUALITATIVE ANALYSIS.** (Formerly 103.) Theory and laboratory practice in the fundamentals of analytical chemistry. The systematic separation and identification of cations and anions. Prerequisite: Chemistry 101-102. *Three class hours and three two-hour laboratory periods a week. Spring quarter. Credit, six quarter hours.*

303. **QUANTITATIVE ANALYSIS.** (Formerly 201.) Volumetric methods of analysis—theory and practice, oxidation, reduction, acidimetry, alkalimetry. Prerequisite: Chemistry 101, 102, 203. *Two class hours and three two-hour laboratory periods a week. Fall quarter. Credit, five quarter hours.*

304. **QUANTITATIVE ANALYSIS.** (Formerly 202.) Gravimetric methods of analysis. Prerequisite: Chemistry 203, 303. *Two class hours and three two-hour laboratory periods a week. Winter quarter. Credit, five quarter hours.*

307. **ORGANIC CHEMISTRY.** Preparation and tests, properties of carbon compounds, especially aliphatic compounds. Prerequisite: ten hours of college chemistry. *Three class hours and three two-hour laboratory periods a week. Full quarter. Credit, six quarter hours.*

308. **ORGANIC CHEMISTRY.** Continuation of Chemistry 307, with emphasis on carbocyclic and heterocyclic compounds. Prerequisite: Chemistry 307. *Three*

\*For Science majors.



*class hours and three two-hour laboratory periods a week. Winter quarter. Credit, six quarter hours.*

401-402. **ELEMENTARY PHYSICAL CHEMISTRY.** Study of the fundamental laws and theories of matter as applied to gases, liquids, solids, and solutions; the phase rule, reaction, velocity catalysis, thermo and electro-chemical reactions. Prerequisite: Chemistry 303, 304. *Three class hours and two two-hour laboratory periods a week. Fall and winter quarters. Credit, five quarter hours each quarter.*

403. **ADVANCED INORGANIC CHEMISTRY.** *Three class hours and two two-hour laboratory periods a week. Credit, five quarter hours.*

404. **BIOCHEMISTRY.** Application of organic chemistry to the study of physiological processes. Designed to provide a background for courses in dietetics, nutrition, agriculture, and biology. Prerequisite: Chemistry 307, 308. *Three class hours and two two-hour laboratory periods a week. Credit, five quarter hours.*

405. **ADVANCED ORGANIC CHEMISTRY.** *Three class hours and two two-hour laboratory periods a week. Credit, five quarter hours.*

## CHILD DEVELOPMENT

351. **CHILD DEVELOPMENT AND NURSERY SCHOOL OBSERVATION.** A study of the origin, development, and care of the whole child. Observation of the behavior and activities of young children in their homes and nursery school. Analysis of narrative records. *Two class hours and three two-hour laboratory periods a week. Fall quarter. Credit, five quarter hours.*

352. **NURSERY SCHOOL PARTICIPATION.** Provides nursery school experience for home economics and elementary education majors, and for others interested in guidance of young children. Also, class discussion of principles and techniques. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

371. **PLAY AND PLAY MATERIALS.** (Formerly Family Life 471.) The young child's use of space and equipment, toys, plastic and graphic materials, with emphasis upon play experiences which will contribute to the needs of the individual child. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

451. **METHODS OF OBSERVATION.** A study of the principles and methods of educational guidance of preschool children in routine and play situations. Observation of techniques of guiding the growth of children in the nursery school. Prerequisite: Child Development 351. *Two class hours and three two-hour laboratory periods a week. Winter quarter. Credit, five quarter hours.*

453. **NURSERY SCHOOL PLANNING.** Essential procedures in nursery school organization, including housing equipment, food service, health protection and supervision; analysis responsibilities of a head teacher. Prerequisite: Child Development 351 and 451. *Three class hours a week. Winter quarter. Credit, three quarter hours.*

454. **THE CHILD AND HIS FAMILY.** An introduction to the study of family life, with emphasis on the child's part in the family group. Adjustment within the family as the growing child develops through various age levels. Types of families as classified by different standards of living and different cultures studied in the light of their effect upon the child. Prerequisite: Child Development 351. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

457. **STORY TELLING AND SONGS FOR THE PRESCHOOL CHILD.** Designed to create an awareness of spontaneous and musical expression of children. Use of

these interests to develop creative expression, rhythmic activity, song repertory, rhythm bands, dramatic interpretation, and appreciative listening to music. A study of appropriate adaptive materials in this area. Critical and interpretive study of literature suitable for children. Special attention to story telling. *Two two-hour lecture-demonstration-participation periods a week. Credit, two quarter hours.*

460. SPECIAL PROBLEMS OF PRESCHOOL CHILDREN. Study of the social and emotional adjustment of "normal" children, ages 2-5. Emphasis placed on balancing those factors which are preventable and help in resolving difficulties; concerned with the teacher's insight and understanding of the child's personality, needs and problems. Prerequisite: Child Development 351. *Two class hours a week. Credit, two quarter hours.*

## ECONOMICS

201. PRINCIPLES OF ECONOMICS. Prerequisite to all other courses in economics. An introductory course in the fundamental principles and problems of modern society; production; the modern exchange system; value and price; wages; interest and profits. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

302. CURRENT ECONOMIC PROBLEMS. Current problems in both economic organization and economic theory. Consideration given to changes in production, consumption, labor organization, and the extension of governmental direction and control of industry. Prerequisite: Economics 201. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

303. STRUCTURE OF THE AMERICAN ECONOMY. Major aspects of the economic structure of America. Problems of consumption, distribution, business organization and location. Prerequisite: Economics 201, 302. *Five class hours a week. Credit, five quarter hours.*

304. ECONOMIC THEORY AND HISTORY OF ECONOMIC THOUGHT. (Formerly Economics 410.) A thorough study of economic theory and the history of economic thought; the nature and purpose of economics and the relation of theory to economic facts, economic institutions and investigation. Prerequisite: Economics 201. *Five class hours a week. Credit, five quarter hours.*

307. ECONOMIC HISTORY OF THE UNITED STATES. The development of agriculture, industry, commerce, transportation from colonial times to the present; problems raised by economic evolution in the United States. *Five class hours a week. Credit, five quarter hours.*

308. ECONOMIC HISTORY OF EUROPE. The industrial revolution, transportation, money and banking, industrial and commercial activities; tariff policies; agricultural systems; labor; monopoly and big business; colonial ambitions and policy; current developments. *Five class hours a week. Credit, five quarter hours.*

323. MONEY, CREDIT, AND BANKING. The principles of money and banking with special reference to their functions in the present organization of economic society. Money and its attendant economic problems; credit; the banking process and the banking system; foreign and domestic exchange, the business cycle; the history of banking both in this country and the more important countries of Western Europe. Prerequisite: Economics 201. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

401. LABOR PROBLEMS. An appraisal of problems confronting labor and capital, as well as legislation and administrative regulations affecting employer and employees. Prerequisite: Economics 201 and senior status or consent of instructor. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

402. LABOR AND SOCIAL LEGISLATION. (Formerly Recent Labor Legislation.) A study of legislation designed to provide social and economic protection



for men, women, and children. Prerequisites: Economics 201, 401. *Five class hours a week. Credit, five quarter hours.*

403. PUBLIC FINANCE. A study of the effects of taxation upon the economic system; public borrowing and public spending with reference to the present financial system of the United States. Prerequisite: Economics 201. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

404. WORLD ECONOMIC GEOGRAPHY. A study of world geography as it affects industries, trade, and economic activity. Prerequisite: Economics 201. *Five class hours a week. Credit, five quarter hours.*

405. INTERNATIONAL ECONOMIC RELATIONS. An intensive study of the basic literature of international trade and finance and of current economic problems. Prerequisite: twenty hours of economics or consent of the instructor. *Five class hours a week. Credit, five quarter hours.*

406. COMPARATIVE ECONOMIC SYSTEMS. A thorough comparative study of current economic systems. Prerequisite: twenty hours of economics or consent of the instructor. *Five class hours a week. Credit, five quarter hours.*

450. ECONOMIC RESEARCH AND STATISTICS. Introduces students to the methods of scientific inquiry and statistical application. The essentials of vocabulary, concepts, and techniques; methods of collecting, analyzing, and treating data; measures of central tendency, correlation and deviation, graphic representation, sampling, validity and reliability. Each member of the class engages in research on a problem involving statistical manipulation of data. Prerequisite: twenty hours of economics and senior status or consent of the instructor. *Five class hour a week. Credit, five quarter hours.*

## EDUCATION

100. FRESHMAN LECTURES. Designed to help students adjust themselves effectively to college life; to assist them in evaluating their potentialities and in selecting an area of concentration suited to their needs, interests, and abilities. Exploration of career opportunities through reading, discussions, interviews, and field trips, so that the individual may discover the life work for which he appears best fitted and the personal qualities and preparation requisite to success. Attendance throughout the first year required (R) of freshmen and transfer students. *One class hour a week. Fall, winter, and spring.*

216. INTRODUCTION TO TEACHING. A background of the development of education and a portrait of the teacher in action in the schools of Georgia and the nation. Opportunities, social significance and ethics of the profession. Development of curricula, guidance techniques, administrative and supervisory functions. The student surveys the many facets of the teacher's work and the total school program, and participates in activities at selected schools. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

305. SCIENCE FOR ELEMENTARY SCHOOL TEACHERS. Provides fundamental science concepts and a knowledge of materials, activities, methods, and procedures necessary for developing a science program in the elementary school. *Five class hours a week. Winter. Spring. Credit, five quarter hours.*

317. HUMAN GROWTH AND LEARNING. Study of the total growth and development of the individual. Biological, social, and psychological aspects of learning; personality adjustment and mental hygiene. Principles, conditions, skills conducive to effective learning in the several subject fields. Work with children in Powell Laboratory School and other public schools. Prerequisite: Ed. 216. *Four class hours and two four-hour periods weekly in observation and participation. Fall. Winter. Spring. Credit, eight quarter hours. Staff.*

323. CHILDREN'S LITERATURE. A study of both historical and modern children's books and selections from books. Designed to assist future teachers in the selection of the best that has been written in the realm of children's literature for each period of the child's life. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

340. THE TEACHING OF READING IN THE ELEMENTARY SCHOOL. The nature of the reading process, procedures for diagnosing reading disabilities, and recent trends in methods and techniques for teaching reading. Directed observation in Powell Laboratory School and other public schools. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

341. SEMINAR IN THE ELEMENTARY SCHOOL CURRICULUM. An experience designed to meet students' needs in relationship to the teacher of the language arts, social studies, arithmetic and science. Emphasis will be on (1) underlying philosophy and interrelationships of the areas; (2) laboratory activities including observation of and some work with elementary pupils; (3) examination and use of techniques which best meet developmental needs of children; (4) students' identification of personal lacks in the areas of concern and their self-initiated projects to eliminate glaring needs and to promote constant growth. Understandings about selection and use of literature for children will be integrated with the language arts phase of the program. Instruction provided by the Department of Elementary Education and resource persons in the several areas of the elementary school curriculum. Prerequisites: Ed. 216 and 317. *Twenty class hours a week. Fall. Winter. Spring. Credit, fifteen quarter hours.*

345. THE TEACHING OF SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. Extensive reading in the field. Each student works on a unit which he chooses. Analysis of teaching aids and books for children. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

347. AUDIO-VISUAL MATERIALS AND METHODS. A workshop. Experiences in the utilization, evaluation, and preparation for various kinds of audio-visual teaching aids. The place of audio-visual aids in the learning process. Students have opportunities to try out these aids in Powell Laboratory School. *Five class hours a week. Credit, five quarter hours.*

351. INTRODUCTION TO THE STUDY OF EXCEPTIONAL CHILDREN. Deals with atypical children in regular and special classrooms. Exploration of methods for facilitating growth and development of children who are crippled, hard of hearing, defective in vision, speech, sight, etc. Designed as an overview of the field for general and special educators and related personnel. Prerequisites: Ed. 216 and 317 and Soc Sc 201 or consent of instructor. *Four class hours and one two-hour observation period weekly. Credit, five quarter hours.*

400. MODERN MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS. Designed to give the elementary teacher a stronger background in mathematics and acquaint him with recent trends in elementary school mathematics. Emphasis on logic, critical thinking, and development of the number system. Review of the knowledge of the fundamentals of arithmetic; logic and truth tables; the number system; the binary system and its applications; visual aids in the teaching of arithmetic; recent trends in the teaching of arithmetic; an evaluation of the arithmetic taught in the school of today. *Five class hours a week. Credit, five quarter hours.*

412. ELEMENTARY PRINCIPLES OF GUIDANCE. The place of guidance in school program, modern techniques in guidance, principles, and methods of guidance. Prerequisite: Ed. 216 and 317. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

416. PSYCHOMETRICS. A basic course in the theory and practice of mental measurement, designed for in-service teachers of exceptional children. Briefly, the nature and function of measurement in the teacher's work with atypical children. Measures of central tendency and of variability, test validity and reliability, and other basic concepts of testing. Practice in selecting, administering, and scoring tests; interpreting test results; using test results as bases in adapting instructional materials and formulating study programs suited to pupil needs and abilities. *Five class hours a week. Credit, five quarter hours.*

418. PROBLEMS OF SCHOOL ORGANIZATION AND MANAGEMENT. Organization and administration of American public schools, utilization of community

resources, and teacher-community relationship. *Five class hours a week. Credit, five quarter hours.*

429. CURRICULUM AND TEACHING. (Formerly Ed. 315-316 and 439.) Through readings, class discussions, and observations in selected elementary and secondary schools, students will consider: (1) The function and place of the school in our society; (2) How the curriculum emerges out of the social organism and is responsive thereto; (3) Curricular concepts, past and present, with special emphasis upon most recent concepts and their psychological and philosophical foundations; (4) Types of curricular organization, methods of organization and presentation of learning materials and experiences; (5) Various school programs in action in relation to their community settings, the revealed child and community needs, the contribution these programs make to the personal and social growth of the learner and to community improvement. Prerequisites: Education 216 and 317. *Four class hours and two four-hour periods weekly in observation and participation. Fall. Winter. Spring. Credit, eight quarter hours. Staff.*

440. DIRECTED STUDENT TEACHING IN THE ELEMENTARY SCHOOL. A cooperative venture between the college and various school system. Gives students, under supervision, full responsibility for teaching pupils and dealing with real problems which classroom teachers face under normal conditions; also guidance to teachers in service. Affords college staff members a deeper understanding and insight in problems facing teacher education today. Prerequisites: Ed. 216, 317, 429. Concurrent: Ed. 445. *Four hours a week conference with critic teacher and supervisor and twelve hours a week directed teaching. Fall. Winter. Spring. Credit, ten quarter hours.*

441. DIRECTED STUDENT TEACHING IN THE SECONDARY SCHOOL. Opportunity to teach in regular school situations in nearby public schools on the secondary level. Under supervision the student experiences full responsibilities of guiding children. Student must be prepared to defray costs of professional materials and living expenses incident to the field experience in or near Savannah. Prerequisites: Ed. 216, 317, 429. Concurrent: Ed. 446. *Four hours a week conference with critic teacher and supervisor and twelve hours a week directed teaching. Fall. Winter. Spring. Credit, ten quarter hours.*

445. SEMINAR FOR TEACHERS IN THE ELEMENTARY SCHOOL. Deals with problems emerging during the student-teaching period. Special attention is given to improvement of outstanding deficiencies in procedures and techniques of teaching. Student-teachers, cooperating teachers, supervising teachers, the director of practice, and other members of the college staff participate. Concurrent with student teaching. Prerequisite: a major in elementary education. *Fall. Winter. Spring. Credit, five quarter hours.*

446. SEMINAR FOR TEACHERS IN THE SECONDARY SCHOOL. Deals with problems emerging during the student-teaching period of students majoring and minoring in the subject matter areas in secondary education. Concurrent with student teaching. *Fall. Winter. Spring. Credit, five quarter hours.*

447. APPRENTICE TEACHING IN SPECIAL EDUCATION. An on-the-job teaching requirement for certification as a teacher of exceptional children. Readings, units of experience; conferences with the supervisor regarding teaching plans, problems, reporting to parents. *Credit, five quarter hours.*

## ELECTRONICS TECHNOLOGY

103. ELECTRICAL PRACTICES. A study of soldering techniques, printed circuit construction, chassis layouts, wiring techniques, and laboratory safety. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

201. DIRECT-CURRENT CIRCUITS. A study of electron theory, Ohm's law, series and parallel circuits, Kirchhoff's laws, superposition, Thevenin's theorem, and magnetic circuits. Prerequisite: Mathematics 203. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*



202. **ALTERNATING-CURRENT CIRCUITS.** A study of waveforms, impedance, resonance, vector loci, Norton's theorem, transformer theory, and Fourier series. Prerequisites: Mathematics 312 and Electronics Technology 201. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

203. **VACUUM TUBES AND SEMICONDUCTORS I.** A study of the Edison effect, dynamic coefficients, transistors, silicon diodes, load lines, and filters. Prerequisite: Electronics Technology 202. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

213. **ELECTRICAL MACHINERY.** A study of rotating electrical machinery, electronic regulation, and polyphase systems. Prerequisite: Electronics Technology 202. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

301. **VACUUM TUBES AND SEMICONDUCTORS II.** A study of power supplies; potential, current, audio, and RF amplifiers; rectifiers. Prerequisite: Electronics Technology 203. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

302. **ELECTRONIC CIRCUITS I.** A study of oscillators, audio and RF circuitry, pulse amplifiers, and wave shaping circuits. Prerequisite: Electronics Technology 301. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

303. **ELECTRONIC CIRCUITS II.** A study of timers; equivalent, gate, and switching circuits. Prerequisite: Electronics Technology 302. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

311. **ELECTRICAL MEASUREMENTS.** A study of the design and construction of electrical measuring devices such as ammeters, voltmeters, wattmeters, bridges, oscilloscopes, time marker generators, and thermocouples. Prerequisite: Electronics Technology 203. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

312. **RECEIVERS I.** A study of crystal controlled oscillators, antenna systems, squelching circuits, beat frequency oscillators, and sensitivity. Prerequisite: Electronics Technology 301. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

313. **RECEIVERS II.** A study of video amplifiers, synchronous amplifiers and separators, differentiating and integrating circuits, tuners, and deflection systems. Prerequisite: Electronics Technology 302. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarters hours.*

401. **TELEVISION LABORATORY.** A study of current practices in the design and construction of television receivers. Prerequisite: Electronics Technology 303. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

402. **AMPLITUDE MODULATION TRANSMITTERS.** A study of RF power amplifiers, modulation techniques, transmission lines, speech amplifiers, load line construction, exciters, and single sideband transmission. Prerequisite: Electronics Technology 312. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

403. **FREQUENCY MODULATION TRANSMITTERS.** A study of reactance tubes, frequency multipliers, noise factors, limiters, band width, and propagation. Prerequisite: Electronics Technology 402. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

411. **SERVOMECHANISMS.** A study of synchro generators, synchro motors, inertia damping, repeater systems, control transformers, and resolvers. Prerequisite: Electronics Technology 303. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

412. **COMMUNICATIONS LAW.** A study of the Federal regulations governing the use of electromagnetic radiation. Prerequisite: Electronics Technology 313. *Five class hours a week. Winter. Credit, five quarter hours.*

413. **INDUSTRIAL ELECTRONICS.** A study of induction heating, X-ray techniques, resistance welding, phase inverters, and electronic temperature control. Prerequisite: Electronics Technology 411. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

423. **MICROWAVES.** A study of wave guides, T-junctions, matching devices, cavity resonators, magnetrons, klystrons, hard tube modulators, and polarization. Prerequisite: Electronics Technology 402. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

## ENGLISH

202. **INTRODUCTION TO ENGLISH LITERATURE.** A survey of the historical background of each of the successive periods of English writing; biographical study of writers who shaped the English literary tradition; reading and discussion of forms and types of poetry and prose found within the literary structure, together with appreciative and critical evaluation of literature as the emotional and reflective communication of ideas. Prerequisite: Humanities 101, 102. *Five class hours a week. Fall. Credit, five quarter hours.*

203. **SURVEY OF AMERICAN LITERATURE.** An analytical survey of representative American poetic and prose writing, together with an interpretative and evaluative study of the religious, social, and political influences which moulded the literary thought of such writers as Edwards, Franklin, Irving, Emerson, Thoreau, Hawthorne, Melville, Bryant, Poe, Whitman, and Frost. Prerequisite: Humanities 101, 102. *Five class hours a week. Winter. Credit, five quarter hours.*

204. **ADVANCED COMPOSITION.** Intensive study of the theory and practice of writing the basic composition forms; exposition, narration, description, and argumentation; interpretative writing based on the inductive study of literary models; investigational writing or research involving methods of presenting data, and other written work of a documentary nature. Prerequisite: Humanities 101 and 102. *Five class hours a week. Spring. Credit, five quarter hours.*

301. **ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY.** A survey of the important writers—their styles, subject-matter and philosophies. Special emphasis upon the works of Milton, Dryden, and Bacon. Prerequisite: English 202, 204. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

303. **THE ENGLISH ROMANTIC MOVEMENT.** The genesis of the Romantic theory, the beginning of the Romantic revolt in England; significant literary aspects of the Movement as shown in the works of Wordsworth, Coleridge, Byron, Shelley, and Keats; in the prose writing of Hazlitt, DeQuincey, Hunt, Lamb, and Scott. Prerequisite: English 202, 204. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

305. **VICTORIAN PROSE AND POETRY.** An analytical study of the age of Queen Victoria of England, its government, political thought, religion, industrialism, agriculture, and cheap press; its literature as represented by the works of Tennyson, the Brownings, Carlyle, Arnold, Ruskin, and Meredith. Prerequisite: English 202, 204. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

306. **CONTEMPORARY PROSE AND POETRY.** A survey of new personalities and their literary contributions in the fields of prose and poetry. Prerequisite: English 202, 203, 204. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

401. **SHAKESPEARE.** The background, home life, and parentage of Shakespeare; Elizabethan theatrical traditions and conventions. Opportunity for oral



reading and critical discussion of the great tragedies, comedies, and historical plays of the author. Consent of instructor. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

402. PROSE AND POETRY BY NEGRO AUTHORS. A survey of the literary contributions of the American Negro from Wheatley and Douglass to Wright and Yerby. Poetic devices employed in their imaginative writings, methods of handling narration. The development of philosophical thought as shown in the various types of prose writing. Consent of instructor. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

404. REGIONAL LITERATURE. An analysis of the intellectual and literary achievements in the South from the seventeenth century to the present, with emphasis on Poe, Timrod, Lanier, and selected modern southern authors. Prerequisite: English 202, 203, 204. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

405. THE ENGLISH NOVEL. An evaluative study of works of great English novelists. The rise and development of the English novel, together with an analytical appraisal of the four elements—setting, character, plot, and philosophy. Readings and discussion of various types, with emphasis upon the variety of methods by which the novel interprets life. Consent of the instructor. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

407. HISTORY OF THE ENGLISH LANGUAGE. (Formerly 309. English Grammar.) A study of the fundamentals of English grammar. Though emphasis is on pure grammar (syntax) and inflection) throughout the course, major attention is given to the history of the English language. Prerequisite: Humanities 101, 102, 103. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

410. JOURNALISM. Introduction to journalistic writing. A survey of newspaper methods, news value, news writing, and reporting. Prerequisite: English 204. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

411. PLAY PRODUCTION. A critical study of the types of plays, with general principles of directing for each type, editing the script; the fundamentals of casting, lighting, make-up, etc. Prerequisite: English 204. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

412. CREATIVE WRITING. A study of fundamental methods and recognized practices. Consent of instructor. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

413. ADVANCED SPEECH. Designed to supplement speech instruction given in Humanities 101, 102, 103; and to provide training in effective use of such media of mass communication as radio and television. Consent of instructor. *Winter quarter. Credit, five quarter hours.*

## FAMILY LIFE

200. NEWER TECHNIQUES IN FAMILY LIVING. A general course. Projects based upon student problems in the operation and management of modern kitchen and household appliances. Budgeting, meal management, family clothing, art in the home. *Two class hours and three two-hour laboratory periods a week. Credit, five quarter hours.*

252. HOUSING. Housing standards and conditions; home ownership, financing, house design from consumer viewpoint; government housing. Field trips. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

342. CONSUMER PROBLEMS. Consideration given to pertinent factors of production, marketing, purchasing, and maximum use of household goods. *Two class hours a week. Winter. Spring. Credit, two quarter hours.*

352. HOME MANAGEMENT AND EQUIPMENT. Scientific principles of management, stressing economical use of time and money. Selection, care, and use of household equipment. *Three class hours a week. Winter quarter, Credit, three quarter hours.*

406. FAMILY RELATIONSHIPS. (Formerly 350.) A course designed to acquaint students with the significance of marriage, the relationships between various members of the family group and the degree to which the interplay of personality within the family group is affected by culturally conditioned attitudes and needs. Prerequisite: Sociology 301. *Three class hours a week. Fall. Winter. Credit, three quarter hours.*

445. HOME MANAGEMENT RESIDENCE. Students live in family size groups in order to develop skill in the management of time, equipment, and other resources. The pattern of living conforms as nearly as possible to that of a normal family. Prerequisite: Art 330. *Residence in Practice Cottage one quarter. Fall. Winter. Credit, five quarter hours.*

446. HOME MANAGEMENT RESIDENCE FOR NON-MAJORS. Emphasis upon practical problems in family life education. Open to juniors and seniors. Three married couples may live in the house for six weeks or one quarter, or may pursue supervised home projects.

*Admission to the course is arranged at the discretion of the house director. The director also reserves the right to drop from the course any student who does not show the required maturity, or who does not fulfill house requirements. Credit, five quarter hours.*

## FOODS

210. FOOD SELECTION AND PREPARATION. (Formerly Food Selection, Preparation and Preservation.) Principles of selecting the family's food in relation to health. Selection and preparation of commonly used foods. *Two class hours and two two-hour laboratory periods a week. Fall quarter. Credit, four quarter hours.*

211. ADVANCED FOODS. (Formerly Food Selection, Marketing, and Preservation.) Continuation of principles of food selection, with emphasis on economy in marketing and preservation of food for future consumption. *Two class hours and two two-hour laboratory periods a week. Winter quarter. Credit, four quarter hours.*

300. FAMILY FOODS. (Formerly General Foods.) A lecture-demonstration course on the selection, preparation and use of food in relation to the health and well-being of the individual and to the needs of society. Demonstrations to illustrate selected effects will be planned jointly by the students and instructor and will be executed by the instructor assisted by students. No textbook required. Smocks or cover apron required for participating student. *One class hour and two one-hour lecture-demonstration periods. Credit, three quarter hours. (Not open to Foods and Nutrition, and Institution Management majors.)*

319. MEAL PLANNING. (Formerly 219.) Planning, preparation, and serving attractive meals for the family, according to their nutritive needs; stressing economy of time, energy and money. Prerequisite: Foods 210. *One class hour and two or three two-hour laboratory periods a week. Winter quarter. Credit, three or four quarter hours.*

334. THE SCHOOL LUNCH. Practical experience in study and planning nutritious menus for larger groups at various age levels. The preparation and service of foods in quantity. Facilities of the College Cafeteria and Powell Laboratory School used for practice work. Prerequisite: Foods 219. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

335. **QUANTITY COOKERY.** Experience in production of food in large quantity, use of steam and power equipment; menu making for institutions. Computation of casts; menu pricing. Prerequisites: Foods 210, 211, 319. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

371. **COOKING FOR SPECIAL OCCASIONS.** Study and preparation of foods for various types of party groups. Some problems in food dishes of other nations. Prerequisite: Foods 219. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

400. **DEMONSTRATION COOKERY.** Principles and techniques of demonstrations in foods and nutrition; application to needs of extension, business and classroom and community teaching. Prerequisite: Foods 210, 219. *One class hour and two two-hour laboratory periods a week. Winter quarter. Credit, three quarter hours.*

431. **EXPERIMENTAL COOKERY.** Laboratory work in solving practical problems in food preparation; the study of scientific methods and factors involved in establishing standards for cooked foods. Prerequisite: Chemistry 307 and ten hours of foods. *Two class hours and three two-hour laboratory periods a week. Fall quarter. Credit, five quarter hours.*

## FRENCH

141-142-143. **ELEMENTARY FRENCH.** Intended for students who have not studied the language previously. Intensive practice in hearing, speaking, reading, and writing simple, everyday French. At least one hour per week is spent in the laboratory. The courses are to be taken in sequence. *Five class hours a week. Fall, winter, and spring. Credit, five quarter hours each quarter.*

241-242. **INTERMEDIATE FRENCH.** Designed for students who have had one year of college French and for students who have had two years of high school French, who pass an appropriate examination. A systematic and intensive review of the basic principles of the language and much practice in speaking and writing based on readings of moderately difficult prose. The courses are taken in sequence. Prerequisite: French 143, or two years of high school French. *Five class hours a week. Fall and winter. Credit, five quarter hours each quarter.*

243. **FRENCH CONVERSATION AND COMPOSITION.** To help meet the need for citizens able to communicate with individuals whose only language is French, the principal purpose of the course is to accustom the student to understand, speak, and write conversational French. The course is conducted primarily in French. Topics of personal and local interest are discussed, as well as topics selected by the instructor. Prerequisite: French 242. *Five class hours a week. Spring. Credit, five quarter hours.*

341-342. **SURVEY OF FRENCH LITERATURE.** The survey begins with the *chanson de geste* and covers the field of French literature to our times. Outstanding pieces of literature are analyzed. Emphasis is placed on such writers as Montaigne, Racine, Moliere, Voltaire, Rousseau, Dumas, Balzac. Attention is paid to poetry as well as prose. Conducted entirely in French. The courses are to be taken in sequence. Prerequisite: French 242. *Three class hours a week. Credit, three quarter hours each quarter.*

343. **FRENCH CIVILIZATION.** This course, conducted entirely in French, seeks to acquaint the student with those things which make the French nation what it is, and with the principal contributions of France to Western civilization. Prerequisite: French 242. *Four class hours a week. Credit, four quarter hours.*

344. **ORAL COMMUNICATION.** In this course the student further develops his ability to understand and to speak the language. It is conducted entirely in French. Discussion of topics of national and international interest found in



French publications and in radio and television programs. Prerequisite: French 243. *Five class hours a week. Credit, five quarter hours.*

441. LITERATURE OF THE XVIII<sup>TH</sup> CENTURY. The important plays of Corneille, Racine, and Moliere are studied. Lectures, readings, reports and discussions. Prerequisite: French 342. *Five class hours a week. Credit, five quarter hours.*

442. THE ROMANTIC MOVEMENT. A study of the origins, the history, the principal authors, and the influences of the Romantic Movement. Conducted in French. Prerequisite: French 342. *Five class hours a week. Credit, five quarter hours.*

443. FRENCH CIVILIZATION IN AFRICA. Study of the various independent African states whose civilization is French. Emphasis on the social, economic and political influences of French civilization upon Africa as related to democracy in the twentieth century. Course conducted in English. Prerequisite: French 143. *Five class hours a week. Credit, five quarter hours.*

444. LITERATURE OF THE XX<sup>TH</sup> CENTURY. Lectures, readings, reports, and discussion of the principal writers and trends of French literature today. Conducted in French. Prerequisite: French 342. *Five class hours a week. Credit, five quarter hours.*

## GERMAN

221-222-223. ELEMENTARY GERMAN. This first course in German is designed to meet the requirements of those planning to enter professional schools, as well as those who desire, a strong grammatical foundation for translating both from German to English and from English to German. Therefore great emphasis is put on grammatical constructions. The work is basic also for those who wish to pursue the study of German as a minor or a major. *Five class hours a week, three quarters. Credit, five quarter hours each quarter.*

## HEALTH EDUCATION

112. PERSONAL HEALTH. *One class hour a week. Credit, one quarter hour.*

235. PERSONAL AND COMMUNITY HYGIENE. Scientific health facts pertaining to the individual, the community and the next generation, that will enable one to live successfully with himself and others. Prevention and control of communicable diseases. Hygienic factors of the home, school, and community. *Five class hours a week. Credit, five quarter hours.*

300. FIRST AID AND SAFETY. A combined course of materials and methods of first aid; the philosophy of safety education; care and prevention of injuries; integration of safety with other subjects and activities. Practice in the application of first aid methods. *Five class hours a week. Credit, five quarter hours.*

305. THE TOTAL SCHOOL HEALTH PROGRAM. Required of all students enrolled in teacher education curricula. Administrative policies, instruction, principles, and evaluation of the school health program. Observation and participation in the four essential areas: health services, health instruction, physical environment, and physical education and recreation, both at the college and in selected schools of Chatham County. Concurrent with Ed. 317. *Three class hours and one four-hour laboratory period weekly. Credit, five quarter hours.*

425. SYNTHESIS OF BASIC HEALTH INFORMATION. For Health, Physical Education and Recreation majors and minors this course is designed to pull together and supplement essential health information resulting from previous instruction and participation in the total college program. Emphasis on problems in the areas of physiology, nutrition, mental health, degenerative diseases, alcohol, narcotics, drugs, sex education, and safety education. *Five class hours a week. Credit, five quarter hours.*

## HISTORY

300. THE ESSENTIAL DEVELOPMENTS IN THE HISTORY OF THE UNITED STATES AND IN THE HISTORY OF GEORGIA. Designed to acquaint the student with the cultural heritage of the United States, its institutions and traditions from the colonial period to the present. Integrated with this is a consideration of corollary developments in the history of Georgia; the Colonial, ante-bellum regime; transition from agrarianism to a diversified economy. This course satisfies that phase of the Georgia Code, Section 32-706 Amended, House Bill No. 464, which requires instruction in the history of the United States, and in the history of Georgia. Students earning a grade of "C" or higher in History 300 are exempted from the examination in the History of the United States and the history of Georgia as required by the State Act. (The Constitution phase of the law may be met through satisfactory completion of Social Science 302.) *Five class hours a week. Credit, five quarter hours.*

305. HISTORY OF THE UNITED STATES THROUGH THE CIVIL WAR. Beginning with a brief reference to the European background of American culture, major events and developments of the United States from 1492 to 1865. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

306. HISTORY OF THE UNITED STATES FROM THE CIVIL WAR TO THE PRESENT. Beginning with the Reconstruction Period, major political, social and international developments and problems of the United States to the present. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

308. NEGRO HISTORY. Designed to acquaint the student with the African background of the American Negro. Emphasizes the life and history of the Negro in the United States. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

408. RUSSIAN HISTORY. Rise and development of Russia from the ninth century to the present. Russian institutions, culture, religion, and economic structure will be analyzed. Special attention will be given to the revolution of 1917 and the Soviet role in world affairs. Prerequisites: History 305, 306, 431, 432. *Five class hours a week. Credit, five quarter hours.*

410. HISTORY OF THE FAR EAST. An introduction to the civilization and culture of the Far East with special attention to the roles of China, Japan, and India in world affairs during the last century. Prerequisites: History 305, 306, 431, 432. *Five class hours a week. Credit, five quarter hours.*

411. INTRODUCTION TO HISTORICAL SEMINAR. Analysis of the sources, and critical methods in evaluating, organizing, and using such materials. Attention to selected outstanding historians and distinctive types of historical writing. Prerequisites: History 305, 306, 431, 432, 408 or 410. *Five class hours a week. Credit, five quarter hours.*

412. HISTORY OF ENGLAND. A survey of political, social, and economic developments in England from 1688 to the present. Emphasis on the evolution of the British Empire and the ascendancy of England in world affairs. Present trend toward socialism, contemporary domestic problems. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

431. HISTORY OF EUROPE FROM THE MIDDLE AGES TO 1815. The Renaissance and the Reformation through the Napoleonic Period. The Revival of Learning; the development of art; discovery and exploration. The beginnings of Protestantism, Catholic Counter Reformation. Assigned reading. Presupposes a course in the history of contemporary civilization. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

432. HISTORY OF EUROPE FROM 1815 TO THE PRESENT. A detailed study of political, social, and economic developments in the principal countries of Western Europe from the Congress of Vienna to the present. *Five class hours a week. Spring quarter. Credit, five quarter hours.*



## HOME ECONOMICS

100. INTRODUCTION TO HOME ECONOMICS. Development, scope and character of home economics as a field of study and its contribution to education for home and family living. Examination of opportunities in the profession and those related to home economics and an appraisal of personal qualifications needed to succeed in specialized areas. Required of freshmen major in home economics. *One class hour a week. Credit, one quarter hour.*

## HUMANITIES

101. ENGLISH COMMUNICATIVE SKILLS. Required of freshmen. Designed to develop competence in: (1) reading, writing, speaking, listening, and demonstrating; (2) creative, critical thinking; precision of thought and expression through study of the autobiography, levels of usage, and oral and written reports. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

102. ENGLISH COMMUNICATIVE SKILLS. Required of freshmen. Aims at further development of specific skills in oral and written communication. Study of the paragraph, the sentence, mass communication, letter writing, and the research paper. Prerequisite: Hum. 101. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

103. FUNDAMENTALS OF SPEECH. Required of freshmen. Introduces the student to elements of speech production, types of speeches, and techniques of delivery. Emphasis on correct enunciation, articulation, and pronunciation. Prerequisite: Humanities 101. *Three class hours a week. Fall. Winter. Spring. Credit, three quarter hours.*

111. MUSIC APPRECIATION. Designed to aid in developing a better understanding and appreciation of good music. Correlation and integration of music with related arts, such as literature, art, and drama. Carefully planned listening lessons to broaden the background and help students appreciate the contributions of music to daily living. *Three class hours a week. Fall. Winter. Spring. Credit, three quarter hours.*

121. ART APPRECIATION. Intended to reflect the experiences and mind of man throughout the medium of art, thus providing materials needed for a healthy conclusion and an appreciation of the relationship of man and art. Through lectures illustrated by lantern slides and class discussions the development of art is traced from ancient times to the present. *Three class hours a week. Fall. Winter. Spring. Credit, three quarter hours.*

131. INTRODUCTION TO MUSIC AND ART. Designed to integrate experiences in music and art. Lectures, listening lessons, and films are used to develop an understanding of musical contributions to daily living. Lectures, class discussions, field trips, and audiovisual materials provide enriching experiences in art. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

141-142-143. ELEMENTARY FRENCH. Intended for students who have not studied the language previously. Intensive practice in hearing, speaking, reading, and writing simple, everyday French. At least one hour per week is spent in the laboratory. The courses are to be taken in sequence. *Five class hours a week. Fall, winter, spring. Credit, five quarter hours each quarter.*

161-162-163. ELEMENTARY SPANISH. These courses are intended for students who have not studied the language previously. The work provides intensive practice in hearing, speaking, reading and writing simple, everyday Spanish. At least one hour per week will be spent in the laboratory. The courses are to be taken in sequence. *Five class hours a week. Fall, winter, spring. Credit, five quarter hours each quarter.*

201, 202. **WORLD LITERATURE.** An interpretation and appreciation, introducing the student to some of the major writers of the world and to the principal literary genres, thus enlarging his general cultural horizon and helping him to understand the world in which we live. Required of all students except English majors and minors. English 202, English Literature, and English 203, American Literature, are prescribed for English majors and minors, in lieu of Humanities 201, 202. Prerequisites: Humanities 101-102. *Five class hours a week. Two quarters. Credit, five quarter hours each quarter.*

221-222-223. **ELEMENTARY GERMAN.** Emphasis on the acquisition of good pronunciation, comprehension of simple spoken German, and knowledge of grammatical principles encountered in simple prose. A German reader is used in Humanities 223. Courses to be taken in sequence. *Five class hours a week, three quarters. Credit, five quarter hours each quarter.*

## INDUSTRIAL ARTS EDUCATION

105. **GENERAL SHOP.** A study of the common tools, materials, products, and processes of woodworking, metalworking, drafting, and electrical industries. An overview of industrial arts. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

125. **GENERAL DRAFTING.** A study of the use and care of drawing instruments, dimensioning, sketching, lettering, geometrical construction, orthographic and pictorial representation, and tracing. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

135. **FUNDAMENTALS OF WOODWORK.** A study of the care of tools and machinery, basic hand and machine operations, materials selection, and finishing. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

145. **BEGINNING METALWORK.** A study of the essentials of benchmetal and sheetmetal. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

155. **GENERAL ELECTRICITY.** A study of the nature of electricity, magnetism, forms and sources of electricity, conductors, insulators, electrical measurements, simple electrical low voltage and house wiring, and electrical heating. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

255. **FUNDAMENTALS OF RADIO.** A study of test equipment, frequency and audio amplifiers, power supplies, modulation receivers, trouble shooting, and small receiver construction. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

300. **INDUSTRIAL ARTS DESIGN.** A study of the fundamentals of design as applied to the planning and construction of industrial arts shop projects. Working drawings are made of projects designed in class. Prerequisite: Industrial Arts Education 125. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

301. **POWER MECHANICS.** A study of the theory, operation, and servicing of small gas, outboard, and automotive engines. Theoretical consideration is given to turbines, jet engines, turbo-jets, and rockets. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

305. **ADVANCED WOODWORK.** A study of the construction of more advanced projects by the use of power tools and machines, and woodfinishing. Prerequisite: Industrial Arts Education 135. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

314. INDUSTRIAL ARTS MATERIALS. A study of the sources, methods of refinement and preparation of tools and materials commonly used in industrial arts courses. *Five class hours a week. Winter. Credit, five quarter hours.*

325. ADVANCED DRAFTING. A study of basic machine drafting with emphasis on isometric and working drawings of machine parts. Prerequisite: Industrial Arts Education 300. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

340. ADVANCED METALWORK. A study of machine tool operation and welding. Prerequisite: Industrial Arts Education 145. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

355. ADVANCED RADIO. A study of F.M. radio receivers, record changers, public address and audio systems and tape recorders. Prerequisite: Industrial Arts Education 255. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

401. ADVANCED POWER MECHANICS. A study of a wide variety of power machines with increased emphasis on maintenance. Prerequisite: Industrial Arts Education 301. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

403. SPECIAL INTEREST PROBLEMS. A study of typical problems related to technical knowledge and the execution of skills as revealed on the field. *One class hour and four two-hour laboratory periods per week. Spring. Credit, five quarter hours.*

407. ADVANCED ELECTRICITY. A study of the fundamentals of AC and DC electric motors with emphasis on construction and repair of fractional horsepower motors and devices. Prerequisite: Industrial Arts Education 155. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

411. SHOP ORGANIZATION AND MANAGEMENT. A study of the sources of materials; methods of requisitioning, purchasing, arranging, installing, maintaining, and inventorying tools and equipment; budget making; shop planning. *Five class hours a week. Winter. Credit, five quarter hours.*

413. CURRICULUM BUILDING AND COURSE ORGANIZATION IN INDUSTRIAL ARTS EDUCATION. A study of the techniques of curriculum development; course organization and management. *Three class hours a week. Fall. Credit, three quarter hours.*

414. METHODS OF TEACHING INDUSTRIAL ARTS. A study of lesson plan making, shop demonstrations, measuring achievement, and the various methods of teaching industrial arts. *Five class hours a week. Fall. Credit, five quarter hours.*

425. ARCHITECTURAL DRAFTING. A study of house planning and the making of architectural working drawings. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

## INSTITUTION MANAGEMENT

319. MARKETING AND BUYING. A study of production, distribution and storage of supplies to serve as a basis for purchase of such commodities for quantity use. Includes techniques for buying canned, fresh, frozen, and dried commodities in quantity. Field trips required. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

353. INSTITUTIONAL EQUIPMENT. A study of lay-outs for institutional use; selection of equipment, including materials, construction, installation, care, and relative cost. Field trips required. *Five class hours a week. Winter quarter. Credit, five quarter hours.*



433. ORGANIZATION AND MANAGEMENT. The organization and administration of various types of institutions. Field trips required. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

460. CATERING. Food production, menu making, cost computation, and service for parties. *Two class hours and one two-hour laboratory period weekly. Credit, three quarter hours.*

480. INSTITUTIONAL BAKING. Problems in quantity production of baked goods, breads, and pastries. Management, organization and cost analysis. Prerequisite: Foods 334. *Six class hours a week. Spring quarter. Credit, six quarter hours.*

## LIBRARY SCIENCE

301. SCHOOL LIBRARY ADMINISTRATION AND ORGANIZATION. Methods of developing a strongly functioning library as an integral part of the school will be emphasized. Routines involved in administration, acquisition, circulation and care of materials, planning the library, public relations, and personnel will be considered. *Five class hours a week. Credit, five quarter hours.*

302. CATALOGING AND CLASSIFICATION. Designed to provide an introduction to classification and cataloging for modern school libraries. The course includes the fundamentals of cataloging, classification according to the Dewey Decimal System, the use of subject headings and the principles underlying the selection of book numbers, the shelf list, and ordering and adapting printed cards. Laboratory problems in cataloging and filing are provided. *Five class hours a week. Credit, five quarter hours.*

401. SCHOOL LIBRARY MATERIALS. The selection and use of books and materials for school libraries. The study of basic aids in selection, book reviewing and annotation, with special attention to the use of books in correlation with the curriculum. *Five class hours a week. Credit, five quarter hours.*

402. BASIC REFERENCE SOURCES. An examination and discussion of basic reference tools for the school library and problems in their use. Emphasis will be focused upon such tools as encyclopedias, dictionaries, atlases, bibliographies, and representative handbooks. *Five class hours a week. Credit, five quarter hours.*

## MATHEMATICS

101. FUNCTIONAL MATHEMATICS I. A basic requirement, except as indicated in the several curricula or by exemption based on satisfactory achievement in the placement examination. The number systems—integers, fractions, decimals, percentage, ratios; measurements—linear, area, volume, and the like; equations, formulas, verbal analyses of problems, exponents, roots, graphical concepts, statistical averages; figures of various kinds, measurements of angles, triangles, circles, polygons. Application of knowledge of the foregoing in consumer problems—commissions, profit, loss, deductions, taxes, budgets, utility consumption, banking, installment buying. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

102. FUNCTIONAL MATHEMATICS II. Extension of Mathematics 101 into further topics of algebra. *Five class hours a week. Credit, five quarter hours.*

107. INTERMEDIATE ALGEBRA. Designed for students who present one unit of high school algebra, but who need further preparation to undertake the study of mathematics, physics, statistics, business subjects, technical and health sciences, and the like. Algebraic addition, subtraction, multiplication, and division; factoring; algebraic fractions; linear equations in one unknown; functions and their graphs; linear functions and their graphs; systems of linear equations; exponents and radicals; quadratic equations; ratio, propor-



tion, and variations; progressions; logarithms; the binomial theorem. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

201. COLLEGE ALGEBRA. Review of fundamental facts; special products and factoring; dependence and variation; the linear equations; the quadratic equation; the binomial theorem; progressions related to mathematics of investment (interest problems); complex numbers; logarithms; theory of equations; series. Prerequisite: Mathematics 107. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

203. PLANE TRIGONOMETRY. The right triangle—analysis, solution, and applications; general definition of measurement of angles of any magnitude; the oblique triangle—analysis, solution, and applications; laws or theorems used in the solution of an oblique triangle; use of trigonometric and logarithmic tables, including interpolation; trigonometric identities and equations; reduction formulas; the complex number—representation and solution (DeMoiries Theorem); the inverse function; the versed function. Prerequisite: Mathematics 107 or equivalent. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

209. PLANE ANALYTIC GEOMETRY. Elementary concepts of plane analytic geometry; the locus derivation and the straight line; introduction to curve sketching; conics, transcendental curves; polar coordinates; parametric equations. Prerequisites: Mathematics 201, 203. *Five class hours a week. Fall. Winter. Credit, five quarter hours.*

304. INTRODUCTION TO HIGHER GEOMETRY. The nature of geometry; logic; lines; congruence of segments; measurement of segments; congruence of angles and triangles; use of congruence theorems; parallel lines; similarity of triangles and polygons; areas; circles and regular polygons; measurement of angles and areas; logic and sets; space geometry; philosophy of mathematics. Prerequisite: Mathematics 209. *Five class hours a week. Winter. Credit, five quarter hours.*

311. MATHEMATICS OF FINANCE. Consumer mathematics for prospective secondary teachers. Ratio, proportion, and percentage applied to commercial problems; compound interest and compound discount; ordinary and other types of annuities; amortization and sinking funds; valuation of bonds; mathematics of depreciation; life annuities and life insurance; preparing income tax returns. *Five class hours a week. Fall. Credit, five quarter hours.*

312. ANALYSIS I (DIFFERENTIAL CALCULUS). An introduction to analytic geometry and calculus. Coordinates and lines; variables; differentiation and applications; integration of powers; applications of integration; differentiation of algebraic functions; equations of the second degree; differentiation of transcendental functions; parametric equations, curves and roots; differentiation with respect to time; polar coordinates; intermediate forms; curve tracing. Prerequisite: Mathematics 201, 203, 209. *Five class hours a week. Fall. Credit, five quarter hours.*

313. ANALYSIS II (INTEGRAL CALCULUS). Integration formulas; integration procedures; additional applications of integration; infinite series. Prerequisite: Mathematics 209, 312. *Five class hours a week. Winter. Credit, five quarter hours.*

314. ANALYSIS III (LIMITS, SEQUENCES, INTRODUCTION TO ADVANCED CALCULUS). Expansion of functions; hyperbolic functions; solid analytic geometry; partial differentiation; multiple integrals; differential equations; vector analysis. Prerequisite: Mathematics 209, 312, 313. *Five class hours a week. Spring. Credit, five quarter hours.*

315. INTRODUCTION TO MODERN ALGEBRA. Designed to develop the student's power to think for himself in terms of the new concepts, and to reinterpret the results of classical algebra. The integers; rational numbers and fields; polynomials; real numbers; complex numbers; group theory; vectors and vector spaces; the algebra of matrices; algebra of classes; rings and ideals; Galois

Theory. Prerequisite: Mathematics 201, 304, 312, 313, 314. *Five class hours a week. Fall. Credit, five quarter hours.*

316. **LINEAR ALGEBRA.** Vectors in the space and in the plane; linear dependence of vectors; vectors over the complex field; geometry of the real vector space; transformation of coordinates in a vector space; linear transformations in a vector space; the matrices of a linear transformation relative to different bases; vector spaces over the complex field. Prerequisite: Mathematics 314, 315. *Five class hours a week. Winter. Credit, five quarter hours.*

317. **INTRODUCTION TO PROBABILITY AND STATISTICS.** The frequency distribution; representing the frequency distribution by graphs; central tendencies or averages; variability; the frequency curve; correlation; use of tabular and graphic methods of reporting facts; interpreting statistical data. *Five class hours a week. Spring. Credit, five quarter hours.*

318. **ADVANCED PROBABILITY.** Extension of topics introduced in Mathematics 317, with applications to data in the fields of education, economics, finance, and the like. Topics include study of sets, probability in finite sample spaces, random variables, binomial distribution and applications, estimating and testing variability, analysis of variance, and decision theory. *Five class hours a week. Credit, five quarter hours.*

399. **ARITHMETIC FOR ELEMENTARY SCHOOL TEACHERS.** Designed to give the prospective teacher substantial knowledge of arithmetic, materials, teaching aids, and practice in modern methods of teaching the subject. Emphasis is put on understanding the meaning of terms used in arithmetic, performing the four fundamental operations, changing common to decimal fractions and decimal to common fractions, and special topics as need arises. *Five class hours a week. Credit, five quarter hours.*

400. **MODERN MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS.** Designed to give the elementary teacher a strong background in mathematics and acquaint him with recent trends in elementary school mathematics. Emphasis on logic, critical thinking, and development of the number system. Review of the knowledge of the fundamentals of arithmetic; logic and truth tables; the number system; the binary system and its applications; visual aids in the teaching of arithmetic; recent trends in the teaching of arithmetic; an evaluation of the arithmetic taught in the school of today. *Five class hours a week. Credit, five quarter hours.*

401. **TESTING AND STATISTICAL ANALYSIS FOR TEACHERS.** Designed to give teachers in all fields essential knowledge of tests, experience in administering tests, and practice in evaluating test results according to current standards. Topics include measurement in the modern world, historical development of measurement in education, characteristics of a satisfactory measuring instrument, general principles of test construction, steps in the testing program, and statistical analysis of test results. *Five class hours a week. Credit, five quarter hours.*

402. **TEACHING OF SECONDARY MATHEMATICS.** Problems of classroom instruction in arithmetic, algebra, geometry, trigonometry, and calculus. The program and the improvement of instruction in secondary mathematics; teaching the special subject matter of secondary mathematics. *Five class hours a week. Credit, five quarter hours.*

403. **THEORY OF EQUATIONS.** Complex numbers; elementary theorems on the roots of an equation; constructions with rulers and compasses; cubic and quadratic equations; the graph of an equation; isolation of the real roots; solution of numerical equations; determinants—systems of linear equations; symmetric functions; elimination, resultants and discriminants; fundamental theorem of algebra. *Five class hours a week. Credit, five quarter hours.*

404. **DIFFERENTIAL EQUATIONS.** A study of solutions of ordinary differential equations and some applications of these. Differential equations—order

and degree; solutions of differential equations; constants of integration; verification of solutions of differential equations; differential equations of the first order and of the first degree; two special types of differential equations of higher order; linear differential equations of the second order with constant coefficients; applications—compound interest law; applications to problems in mechanics; linear differential equations of the  $n$ th order with constant coefficients. Prerequisite: Mathematics 312, 313. *Five class hours a week. Credit, five quarter hours.*

407. **PROJECTIVE GEOMETRY.** Undefined elements and unproved propositions; theorems of alignment and the principle of duality; projection, section, perspective; projectivities of the primitive geometric forms; harmonic constructions; conic sections; algebra of points; projectivities in one—dimensional form. *Five class hours a week. Credit, five quarter hours.*

408. **THEORY OF GROUPS.** Beginning with an explication of the group theory as a branch of abstract mathematics which develops the student's power to think for himself in terms of new concepts, this course provides practice in rigorous proofs, thus closing the gap between undergraduate and graduate study of mathematics. These topics are included: (1) mappings; (2) subgroups and isomorphisms; (3) normal subgroups; (4) elementary theory of Abelian groups; (5) permutation groups; (6) automorphisms; (7) free groups; (8) lattices; (9) basic commutators; (10) group representation. Prerequisite: junior level of mathematical maturity. *Five class hours a week. Credit, five quarter hours.*

409. **GENERAL POINT SET TOPOLOGY.** Designed to introduce the concepts of point set topology to the mathematically mature undergraduate, the course includes these topics: introductory set theory, the real line, topological spaces, arcs and curves, partitionable spaces, the axiom of choice. *Five class hours a week. Credit, five quarter hours.*

410. **INTRODUCTION TO REAL VARIABLE THEORY.** This course is designed to provide experiences for the mathematically mature student in the following specific areas: the Theory of Dedekind cuts, the existence of g.l.b. and l.u.b. sequences of numbers and various theorems—including the Cauchy convergence theorem, introduction to point set topology, the Balzono-Weierstrass and Heine-Borel theorems and differentiability of a function. Topics include numbers and convergence, topological preliminaries, limits, continuity and differentiability, the Riemann Integral, sequences and series, functions of several real variables. *Five class hours a week. Credit, five quarter hours.*

420. **HISTORY OF MATHEMATICS..** The course is designed to give the mathematics major an insight into the development of the science of numbers. Particular contributions, specific achievements in mathematics, and periods of such contributions are the central themes. Study includes these topics: the importance of the history of mathematics, early contributions to mathematics, other periods in the development of mathematics, trends in mathematics. *Five class hours a week. Credit, five quarter hours.*

## MECHANICAL TECHNOLOGY

101. **ENGINEERING DRAWING I.** A study of drawing instruments, lettering, applied geometry, and orthographic projection. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

102. **ENGINEERING DRAWING II.** A study of pictorial drawings, auxiliary views, sections, intersections, and developments. Prerequisite: Mechanical Technology 101. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

103. **ENGINEERING DRAWING III.** A study of dimensions, working drawings, and special topics in mechanical and structural drafting. Prerequisite: Mechanical Technology 102. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*



201. **STATICS.** A study of Newton's laws, vectors, force systems, equilibrium, friction, and virtual work. Prerequisite: Mathematics 203. *Five class hours a week. Fall. Credit, five quarter hours.*

202. **DYNAMICS.** A study of kinematics, kinetics, energy, power, momentum, and periodic motion. Prerequisites: Mathematics 312 and Mechanical Technology 201. *Five class hours a week. Winter. Credit, five quarter hours.*

203. **STRENGTH OF MATERIALS I.** A study of loading diagrams, force fields, stress, strain, elastic constants, and deflection. Prerequisite: Mathematics 313 and Mechanical Technology 201. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

211. **MATERIALS AND PROCESSES.** A study of some of the more important materials and processes used by modern industries. Prerequisite: Mechanical Technology 103. *Five class hours a week. Fall. Credit, five quarter hours.*

212. **MANUFACTURING METHODS I.** A study of measurements, laying out, bench metal practices, and other elementary phases of metal processing. Prerequisite: Mechanical Technology 211. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

213. **MANUFACTURING METHODS II.** A study of lathes, milling machines, shapers, drill presses, grinders, saws, and other machine tools. Prerequisite: Mechanical Technology 212. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

301. **STRENGTH OF MATERIALS II.** A study of indeterminate structures, torsion, combined loads, instability, and fatigue. Prerequisite: Mechanical Technology 203. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

302. **THERMODYNAMICS.** A study of the fundamental principles of thermodynamics, with emphasis on applications. Prerequisite: Mathematics 313. *Five class hours a week. Winter. Credit, five quarter hours.*

303. **INTERNAL COMBUSTION ENGINES I.** A study of fuels, combustion, cycles, engine construction, inertia effects and performance parameters. Prerequisite: Mechanical Technology 302. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

311. **KINEMATICS.** A study of the graphical and analytical methods used to determine displacements, velocities, and accelerations in mechanisms. Prerequisite: Mechanical Technology 202. *One class hour and four two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

312. **MACHINE DESIGN I.** A study of the design of shafts, springs, screws, belts, clutches, brakes, and connections. Prerequisite: Mechanical Technology 301 and 311. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

313. **MACHINE DESIGN II.** A study of lubrication, bearing design, gearing, interference fits, and impact loading. Prerequisite: Mechanical Technology 312. *One class hour and four two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

323. **POWER TRANSMISSION.** A study of the design, construction, and maintenance of the devices used to transmit mechanical power in modern automobiles. Prerequisite: Mechanical Technology 312. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

402. **MANUFACTURING METHODS III.** A study of advanced topics concerning machine tools, welding techniques, and other processes involving metals. Prerequisites: Mechanical Technology 212. *One class hour and four two-hour laboratory periods a week. Winter. Credit, five quarter hours.*



403. **FLUID MECHANICS.** A study of hydrostatics, viscosity, dimensionless constants, meters, gages, and fluid flow in channels and pipes. Prerequisite: Mathematics 313 and Mechanical Technology 202. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

411. **INTERNAL COMBUSTION ENGINES II.** A study of the design, construction, and maintenance of modern automotive engines. Prerequisite: Mechanical Technology 303 and 323. *Three class hours and two two-hour laboratory periods a week. Fall. Credit, five quarter hours.*

412. **AUTOMOTIVE ELECTRICAL SYSTEMS.** A study of the design, construction, and maintenance of the electrical and electronic devices used in modern automobiles. Prerequisite: Mechanical Technology 411 and Physics 302. *Three class hours and two two-hour laboratory periods a week. Winter. Credit, five quarter hours.*

413. **AUTOMOTIVE CHASSIS.** A study of the design, construction, and maintenance of the various elements of the modern automotive chassis. Prerequisite: Mechanical Technology 411. *Three class hours and two two-hour laboratory periods a week. Spring. Credit, five quarter hours.*

## MUSIC (Applied)

101-102-103. **FUNDAMENTALS OF PIANO.** The purpose of this course is to introduce students who have had no piano training to the fundamental techniques of piano playing. Such basic musical knowledge as notes, rhythms, meter signatures, key signatures, tempo markings, fingering, and phrasing will be stressed. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

101-102-103. **FUNDAMENTALS OF BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS.** This course deals with some of the basic elements in music. For the brass and woodwinds this would include embouchure control, breath control, time and key signatures, scales, phrases, and other basic factors that are important in playing a wind instrument. Percussion players are required to perfect single taps and are introduced to basic drum rudiments. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

101-102-103. **FUNDAMENTALS OF VOICE.** This course is designed to meet the needs of the student who plans to receive a music degree, with voice as an applied major. During the first year, the fundamentals of vocal technic, diction, breathing, breath control, vocal anatomy, and posture will be stressed. These fundamentals will be applied to songs which involve specific vocal problems. Each student will be expected to memorize three solos per quarter and study a minimum of ten solos which illustrate various vocal problems. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

104-105-106, 204-205-206, 304-305-306, 404-405. **APPLIED MAJOR AREA.** These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of the department. Regular lessons are scheduled, and periodic performances will be expected of the student during each year of his training. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

201-202-203. **INTERMEDIATE PIANO.** The purpose of this course is to continue developing those technics introduced in Music 101-102-103. Such skills as memorization, sightreading, harmonization, and some transposition will be added to the goals for this course. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

201-202-203. **INTERMEDIATE BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS.** Includes a continuation of the basic elements and techniques in music.

There is an introduction to solo and chamber music. Percussion players will commence study on other instruments in the particular area (snare, bass, and kettle drums). *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

201-202-203. INTERMEDIATE VOICE. The purpose of this course is to continue the development of those skills introduced in Voice 101-102-103. More particular attention will be given to understanding the solo style of the oratorio, solo cantata, and recitative during the fall and winter quarters. German lieder will be introduced and studied in detail during the spring quarter. A minimum of four solos will be memorized during each quarter. At least one solo cantata will be studied and memorized by the end of the winter quarter. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

301-302-303. ADVANCED PIANO. This course is primarily for the student who is working for a music degree, with piano as an applied major. It is assumed by the music faculty that the student has met the proficiency standards of the previous piano courses. Students enrolled in this course are expected to cover more advanced material and display certain technical skills. During this year of study, the piano major will begin working on materials for his senior recital. Memorization, sightreading, harmonization and transposition will also be stressed. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

301-302-303. ADVANCED BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS. Emphasis is placed on building a music library of concert material and methods. In addition to basic rudiments in music, wind instrument players will master single, double, and triple tonguing and other skills necessary in the art of good playing. Percussion players will develop a keener understanding and ability to execute rudiments in drum music. Percussion players will also study various percussion instruments of definite pitch. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

301-302-303. ADVANCED VOICE. The continuation of vocal technic studied in Voice 101-203 will be stressed in this course. Specific attention will be given to the operatic recitative and aria in English, Italian, German, and/or French. A combination of all vocal forms studied earlier will be continued during this year, keeping in mind the eventual goal of a senior recital. Each student will be expected to learn three operatic arias and memorize one in any language other than English by the end of the winter quarter. A minimum of four other songs studied must be memorized each quarter. *One class hour a week. Fall. Winter. Spring. Credit, one quarter hour each quarter.*

310. VOICE CLASS. A study of the problems and techniques of vocal development. *Three class hours a week. Fall quarter. Credit, three quarter hours.*

401-402. SENIOR PIANO. For the student majoring in music, with piano as the applied area, this year will be spent perfecting repertoire for a senior recital. Any student enrolled in this course who is not a music major will continue working on materials introduced in Music 301-302-303. *One class hour a week. Fall. Winter. Credit, one quarter hour each quarter.*

401-402. SENIOR BRASS, WOODWIND, AND PERCUSSION INSTRUMENTS. Continued emphasis is placed on building a music library, concert material, and methods. Stress is placed on complete mastery in playing and public performances. *One class hour a week. Fall. Winter. Credit, one quarter hour each quarter.*

401-402. SENIOR VOICE. During the senior year the voice major will concentrate primarily on perfecting repertoire learned in the previous three years for a senior recital. *One class hour a week. Fall. Winter. Credit, one quarter hour each quarter.*

### (Conducting)

407-408. **CONDUCTING (Choral or Instrumental).** A study of the techniques necessary for conducting choral and instrumental organizations. *Three class hour a week. Fall. Winter. Credit, three quarter hours each quarter.*

### (Literature)

214-215. **HISTORY AND LITERATURE OF MUSIC.** A survey of the history of music from the beginning of the Christian era to the present. Emphasis is placed upon a study of representative works by major composers. *Five class hours a week. Fall. Winter. Credit, five quarter hours each quarter.*

### (Music Education)

300. **FUNDAMENTALS OF ELEMENTARY SCHOOL MUSIC.** A course in notation, scales, key signatures, intervals, ear-training, and sight singing. Special attention is given to these elements as they apply to children's songs. Required for majors in elementary education. *Three class hours a week. Fall. Winter. Spring. Credit, three quarter hours.*

301. **PUBLIC SCHOOL MUSIC METHODS—ELEMENTARY GRADES.** The care of voices, singing of rote songs, development of rhythm bands, and general classroom procedures. Prerequisite: Music Education 300. Required for majors in elementary education. *Three class hours a week. Winter. Spring. Credit, three quarter hours.*

313-314-315. **PUBLIC SCHOOL MUSIC.** (Elementary/Junior High/High School). A study of fundamentals, methods, and materials teaching music in the elementary, junior high, and high schools. *Two class hours a week. Fall. Winter. Spring. Credit, two quarter hours each quarter.*

409. **CHORAL TECHNIQUES.** A study of the problems of organizing and developing school choruses and glee clubs. *Three class hours a week. Fall quarter. Credit, three quarter hours.*

410. **BAND TECHNIQUES.** A study of the problems of organizing and developing school bands. *Three class hours a week. Winter quarter. Credit, three quarter hours.*

### (Performance)

100 - 200 - 300 - 400. **CHORAL SOCIETY, BAND, MEN'S ENSEMBLE, WOMEN'S ENSEMBLE.** These organizations are open to all students, but participation by majors in Music is required for four years. Majors in elementary education are especially encouraged to enroll. Choral activities include campus church services, vesper programs, special chapel programs, radio and television commitments, and annual concert tours both inside and outside of the state. Instrumental activities include playing at football games, parades, special programs, and concert tours. Choral rehearsals are held three or more times a week; band rehearsals are held five times a week. *Fall. Winter. Spring. Credit, one quarter hour each quarter on an optional basis.* A maximum of six quarter hours of academic credit may be received within four years for the B.S. degree in Music Education.

### (Theory)

111-112-113. **THEORY I.** (Ear-training and Sight-singing). A course in notation, time signatures, key signatures, major and minor scales, intervals, melodic and rhythmic problems, song reading, and musical dictation. *Two class hours a week. Fall. Winter. Spring. Credit, two quarter hours each quarter.*



211-212-213. **THEORY II. (Harmony).** A continuation of Theory I with a study of modulations, advanced chords, harmonizations of melodies, and analyses of standard compositions. *Two class hours a week. Fall. Winter. Spring. Credit, two quarter hours each quarter.*

307-308. **ORCHESTRATION AND INSTRUMENTATION.** A study of the range, playing techniques, and musical characteristics of all instruments with emphasis upon the orchestral score and the writing of music for instrumental ensembles. *Three class hours a week. Fall. Winter. Credit, three quarter hours each quarter.*

311. **THEORY III. (Form and Analysis).** A study of the construction of music from the eighteenth century to the present, including the harmonic and melodic analyses of pieces by major composers. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

411. **COUNTERPOINT AND COMPOSITION.** A course designed to give creative experiences in contrapuntal technique in various forms of music. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

## NATURAL SCIENCE

101. **FUNCTIONAL MATHEMATICS I.** A basic requirement, except as indicated in the several curricula or by exemption based on satisfactory achievement in the placement examination. The number systems—integers, fractions, decimals, percentage, ratios; measurements—linear, area, volume, and the like; equations, formulas, verbal analyses of problems, exponents, roots, graphical concepts, statistical averages; figures of various kinds, measurements of angles, triangles, circles, polygons. Application of knowledge of the foregoing in consumer problems—commissions, profit, loss, deductions, taxes, budgets, utility consumption, banking, installment buying. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

113. **BIOLOGICAL SCIENCE SYNOPSIS.** A concise course in the biological sciences, providing an introduction to the principles of plant and animal life. Designed for students who elect two quarters of physical science and one quarter of biological science to fulfill the general science requirement for graduation. *Three class hours and two two-hour laboratory periods a week. Fall. Winter. Spring. Credit, five quarter hours.*

201-202. **PHYSICAL SCIENCE.** Intended: (1) to inculcate the scientific attitude; (2) to develop facility in the use of the scientific method; (3) to foster understanding of the major generalizations of the physical sciences as essential to the education of an intelligent citizen. Course content from the fields of astronomy, physics, chemistry, geology, meteorology—with stress on the inter-relationships of the sciences. *Three class hours and two two-hour laboratory periods a week, two quarters. Credit, five quarter hours each quarter.*

203. **PHYSICAL SCIENCE.** A concise course for students who elect two courses in biological science and one course in physical science to satisfy the general science requirement for graduation. *Three class hours and two two-hour laboratory periods a week. Credit, five quarter hours.*

## NUTRITION

316. **NORMAL NUTRITION.** A study of the science of nutrition and its application to the nutritional requirements of individuals at various age levels. Practical problems in dietary calculations. Special problems in community nutrition. *Two class hours and one two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

351. **NUTRITION AND DIETETICS.** A study of the chemistry of nutrition in relation to metabolic processes. Prerequisite: Nutrition 316. *Three class hours and two two-hour laboratory periods a week. Winter quarter. Credit, five quarter hours.*



451. **DIET THERAPY.** A study of hospital administration. Application of principles of nutrition to diets or other abnormal conditions; planning and preparation of special diets. Prerequisite: Nutrition 351. *Two class hours and three two-hour laboratory periods a week. Field work in hospitals to be arranged. Fall quarter. Credit, five quarter hours.*

452. **INFANT AND CHILD NUTRITION.** A study of the nutritional needs of the child and the relation of nutrition to physical growth and development. Experiences in preparation and service of dietaries for children in actual family situations, baby clinics, and nursery school. Field problems arranged. Prerequisites: Child Development 351 and Nutrition 316. *Two class hours and one two-hour laboratory periods a week. Winter quarter. Credit, three quarter hours.*

455. **FIELD WORK IN NUTRITION.** Opportunities to observe and participate in the activities of welfare and public health agencies with problems relating to the promotion of better nutrition and the general welfare of individuals and selected groups. Field problems arranged. *Three class hours a week. Fall. Spring. Credit, three quarter hours.*

461. **METHODS OF TEACHING NUTRITION.** Techniques and materials for presenting instruction in nutrition to persons of all age levels. Practical experience in presenting materials provided through work with elementary school teachers and pupils. Requisite: senior status, consent of instructor. *Three class hours a week. Fall quarter. Credit, three quarter hours.*

463. **NUTRITION SEMINAR.** Critical study of historical and current literature on energy metabolism, proteins, fats, carbohydrates, and vitamins. Prerequisite: Nutrition 351. *Two class hours a week. Spring quarter. Credit, two quarter hours.*

## PHILOSOPHY

300. **INTRODUCTION TO PHILOSOPHY.** An introductory course designed to explore the efforts which man has made in the western world to understand himself and his relation to his natural and social worlds. Primary emphasis upon epistemology and metaphysics. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

301. **LOGIC.** Traditional exposition of deductive and inductive logic. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

302. **ETHICS.** Problems of life treated with reference to the philosophical foundations of morality; the character of the individual; contemporary social, political, and economic trends. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

303. **PHILOSOPHIES OF SOCIAL REFORM.** An examination of the presuppositions underlying social and political ideologies, with especial emphasis upon liberalism and reformism. Open to juniors and seniors. *Three class hours a week. Credit, three quarter hours.*

304. **PHILOSOPHY OF EDUCATION.** An examination of the philosophical presuppositions that underlie traditional and current views of education, its nature, function, and end. *Three class hours a week. Credit, three quarter hours.*

## PHYSICAL EDUCATION AND RECREATION

111 (W). **FUNDAMENTALS OF VOLLEYBALL, TOUCHFOOTBALL, AND GAMES OF LOW ORGANIZATION; TUMBLING AND APPARATUS.** *Two class hours a week. Credit, one quarter hour.*

113 (W&M). **SEASONAL ACTIVITIES.** *Two class hours a week. Credit, one quarter hour.*

211 (W). TEAM ACTIVITY IN VOLLEYBALL, TOUCHFOOTBALL, SHUFFLEBOARD. *Two class hours a week. Credit, one quarter hour.*

212 (W). BASKETBALL, SOCCER, RHYTHMICAL ACTIVITIES. *Two class hours a week. Credit, one quarter hour.*

213 (W). ARCHERY, TENNIS. *Two class hours a week. Credit, one quarter hour.*

111 (M). FUNDAMENTALS OF FOOTBALL, VOLLEYBALL, TUMBLING AND APPARATUS. *Two class hours a week. Credit, one quarter hour.*

211. (M). ARCHERY, VOLLEYBALL, TUMBLING. *Two class hours a week. Credit, one quarter hour.*

212 (M). BASKETBALL, SOCCER. *Two class hours a week. Credit, one quarter hour.*

213 (M). ARCHERY, TENNIS. *Two class hours a week. Credit, one quarter hour.*

233. ELEMENTARY MASS ACTIVITY. Explanation and grouping of simple games, stunts, self-testing activities, and rhythms that fit the needs of the elementary school child. *Three class hours a week. Credit, three quarter hours.*

235. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION. Orientation to careers and the personal and professional qualifications needed by students planning to enter the field. Philosophy and principles underlying the best modern practices in education; practical suggestions and intensive study to provide a functional understanding of health, physical education, and recreation programs. *Five class hours a week. Credit, five quarter hours.*

301. PHYSIOLOGY OF MUSCULAR ACTIVITY. A comprehensive study of the systems of the body as they are affected by activity. Prerequisite: basic knowledge of biology and anatomy. *Five class hours a week. Credit, five quarter hours.*

302. SOCIAL AND SQUARE DANCING. *Two class hours a week. Credit, two quarter hours.*

304. APPLIED ANATOMY. Essentials of anatomy and physiology; study of structure as essential to understanding of function; importance of the muscular system and joints; the body as an integrated whole; the erect and moving metabolism of the body. Practical consideration of some pathological conditions met in every-day life. *Five class hours a week. Credit, five quarter hours.*

305. CORRECTIVE PHYSICAL EDUCATION. A comprehensive view of the significance of exercise in the educative process and in treatment of abnormal or diseased conditions. *Three class hours a week. Credit, three quarter hours.*

310. COMPENDIUM IN PHYSICAL EDUCATION. (Majors and minors only). Sports, games and activities are presented to the students in an atmosphere which will allow for maximum instruction and guidance. Equipment and facilities are available so that individual instruction is available. Every attempt will be made to develop each potential teacher to his full potential. *One class hour a week. Credit, one quarter hour.*

314. PRINCIPLES OF PHYSICAL EDUCATION. Physical education in relation to life needs, and in relation to the general problems of all education. An educational activity should be under proper hygienic conditions and precautions, and conversant with the needs of men and women for living in this modern world. *Five class hours a week. Credit, five quarter hours.*

316. INTRAMURAL AND RECREATIONAL ACTIVITIES. Problems peculiar to intramurals organization, motivation, desirable activities, schedules, reports, and awards. *Five class hours a week. Credit, five quarter hours.*

317. COMMUNITY PLAY, RECREATION AND CAMP COUNSELING. An historical background of the present play movement; the theoretical explanation of play; the need for play in modern life; its place in education; the administration and organization of play. The section on camp counseling is designed to meet the needs of at least five classes of persons; students needing guidance and experience in camp leadership, prospective camp counselors, those participating in pre-camp training courses at camp, counselors on the job in camp, and camp directors. *Five class hours a week. Credit, five quarter hours.*

403. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. Testing and measuring the student's work. The literature of the field. Presentation of results in clear and usable form. *Five class hours a week. Credit, five quarter hours.*

409. PROBLEMS IN HEALTH, PHYSICAL EDUCATION AND RECREATION. Enables students to make a systematic analysis of problems encountered in the conduct of professional activities of health, physical and recreational education. They select a problem that is the concern of the professional areas and suggest a solution. Special value to in-service teachers of secondary and elementary levels. *Five class hours a week. Credit, five quarter hours.*

410-411. COACHING AND OFFICIATING I AND II. Theory and psychology of coaching and officiating sports and games in schools and colleges. Comparison of the various methods of coaching and practical application of techniques of officiating. Required of health, physical education, and recreation majors. *Three class hours a week, two quarters. Credit, three quarter hours each quarter.*

415. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION, AND RECREATION. The basic principles in organizing programs; state and legal aspects, the design of school, medical problems, maintenance of athletic equipment, motivating interest by publicity programs, budgeting and financing the work, equipping and managing the office. *Five class hours a week. Credit, five quarter hours.*

441. DIRECTED STUDENT TEACHING IN THE SECONDARY SCHOOL. Prerequisites: Ed. 216, 317, 429. Concurrent: Ed. 446. *Four hours a week conference with critic teacher and supervisor and twelve hours a week directed teaching. Fall. Winter. Spring. Credit, ten quarter hours.*

446. SEMINAR FOR TEACHERS IN THE SECONDARY SCHOOL. Concurrent with student teaching. *Fall. Winter. Spring. Credit, five quarter hours.*

## PHYSICS

300. MATHEMATICAL PHYSICS. Understanding physics is largely a matter of understanding concrete relationships between those factors that contribute to various particular phenomena. The physicist first discovers and records qualitative relationships. He then seeks quantitative relationships, and this involves measurement. This course emphasizes quantitative relationships, i.e., calculations. *Five class hours a week. Credit, five quarter hours.*

301. GENERAL PHYSICS. Includes mechanics, heat and sound. Prerequisite: five hours of college mathematics or two years of algebra and geometry. *Three class hours and two or three two-hour laboratory periods a week. Fall quarter. Credit, five or six hours.*

302. GENERAL PHYSICS. Magnetism, electricity, and light are investigated. Prerequisite: as for Physics 301. *Three class hours and two or three two-hour laboratory periods a week. Winter quarter. Credit, five or six hours.*

304. PHYSICS FOR STUDENTS OF HOME ECONOMICS. *Three class hours and two two-hour laboratory periods a week. Spring quarter. Credit, five quarter hours.*

306. ADVANCED MECHANICS AND HEAT\*. *Two class hours and two two-hour laboratory periods a week. Fall quarter. Credit, four quarter hours.*



307. ILLUMINATION AND OPTICS\*. *Two class hours and two two-hour laboratory periods a week. Winter quarter. Credit, four quarter hours.*

308. MAGNETIC AND ELECTRICAL MEASUREMENTS\*. *Two class hours and two two-hour laboratory periods a week. Spring quarter. Credit, four quarter hours.*

312. INTRODUCTION TO ELECTRONICS. Testing basic components of electronic circuits—tubes, transistors, relays, capacitors, inductors, transformers, microphones, etc.; constructing and testing radio receivers, transmitters, amplifiers, power supplies, and control apparatus; work with vacuum tube voltmeters, frequency generators, oscilloscopes tube testers, field strength meters, etc. *Two class hours and two (or three) two-hour laboratory periods a week. Credit, four (or five) quarter hours.*

400. MODERN PHYSICS. Recent advances in atomic and nuclear physics. Prerequisite: Calculus, six to ten quarter hours; advanced physics, four or more quarter hours. *Four class hours a week. Fall quarter. Credit, four quarter hours.*

## POLITICAL SCIENCE

300. ELEMENTS OF POLITICAL SCIENCE. An elementary study of the various concepts in political science, including the nature of the state, essential elements of the state, the origin of the state, forms of government, sovereignty, and separation of powers. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

310. STATE GOVERNMENT. A survey of the nature, organization, and problems of the state and local government and administration in the United States. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

## SECRETARIAL SCIENCE

101-102-103. ELEMENTARY TYPEWRITING. Beginning course in typewriting. Emphasis upon proper technique of machine operation, speed, accuracy, and attractive arrangement of copy. Minimum standards for passing of each quarter, 30, 35, and 40 words per minute, respectively, on continuous copy for ten minutes with a maximum of five errors along with a reasonable understanding of the basic theory. All students in business administration are required to take three quarters of typewriting; however, on the basis of an examination given by this division, students with previous training in this area may have 101 and/or 102 waived. *Five class hours a week. Fall, winter, spring quarters. Credit, two quarter hours each quarter.*

201-202. ADVANCED TYPEWRITING. Continued emphasis on mastery of the typewriter. Writing business letters, copying from rough drafts, tabulating complex material, and stenciling. Minimum standard for passing at the end of the course, 45 words per minute on continuous copy for fifteen minutes with a maximum of five errors. *Five class hours a week. Fall and winter quarters. Credit, two quarter hours each quarter.*

211-212. ELEMENTARY SHORTHAND. Beginning course in Gregg Shorthand, giving a fundamental background in reading and writing shorthand notes. *Five class hours a week. Fall and winter quarters. Credit, four quarter hours each quarter.*

213. ELEMENTARY SHORTHAND. Continuation of 212 with added emphasis on dictation and transcription of simple letters and documents. The minimum standard for passing this course: dictation at 80 words per minute transcribed on the typewriter at the rate of 30 words per minute. *Five class hours a week. Spring quarter. Credit, four quarter hours.* (OK up)

\*Courses 306, 307, 308, and 312—given in alternate years—provide more extensive investigations in the various areas of physics. Mathematics requirements for these courses are: five hours of college algebra and five hours of trigonometry. Calculus may be used but is not required.



301. **FILING AND OFFICE PRACTICE.** A complete knowledge of office practice, subject-matter, and procedures commonly used in business offices; laboratory in stenographic methods and office machines. Assigned readings and quizzes. Prerequisites: shorthand and typing—one year of each. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

303. **ADVANCED FILING.** A comprehensive coverage of filing fundamentals. Jobs planned to give the student practice in filing materials in an existing filing system and in establishing and expanding filing systems to meet business needs. *Five class hours a week. Spring quarter. Credit, three quarter hours.*

312. **ADVANCED SHORTHAND AND TRANSCRIPTION.** Development of speed and accuracy in transcribing shorthand notes. Minimum requirement is accurate transcription of notes dictated at the rate of 100 words per minute for five minutes. Gregg tests and standards used. Prerequisite: one year (or equivalent) of Gregg Shorthand. *Five class hours a week. Fall quarter. Credit, four quarter hours.*

313. **ADVANCED SHORTHAND AND TRANSCRIPTION.** Dictation and transcription of shorthand notes at increased rates. Congressional, medical, military, and other pertinent dictation material, as well as office-style dictation. Minimum standard for passing, dictation at 120 words per minute for five minutes with a corresponding rate of accuracy in transcription. Prerequisite: Secretarial Science 312. Gregg tests and standards used. *Five class hours a week. Winter quarter. Credit, four quarter hours.*

425-426. **SECRETARIAL PRACTICE.** A laboratory course in which the student is employed in an office on the campus or in the city, to put into practice the knowledge and skills he has learned. *Five two-hour laboratory periods a week. Fall, winter quarters. (Summer by special arrangement.) Credit, five quarter hours each quarter.*

## SOCIAL SCIENCES

101. **HISTORY OF WESTERN CULTURE.** Study of oriental and classical backgrounds; medieval feudalism; the rise and influence of Christianity; Saracen civilization; transition to modern modes of life; Renaissance and Reformation to 1600. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

102. **HISTORY OF WESTERN CULTURE.** From 1600 to the present. Religious wars; the rise of national states; absolutism and the Proclamation of the Rights of Man; commercial, industrial, scientific, and intellectual revolutions; extension of democracy and world organizations. Prerequisite: Social Science 101. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

111. **WORLD AND HUMAN GEOGRAPHY.** Study of man's relationship to his natural, physical, and cultural environment. Emphasis on the topical and regional views. Focal attention to world patterns of population, climate, industrial development, problems of agriculture, commerce, trade, transportation, and communication.

Study of regional segments of the earth, such as Latin America, North America, Western Europe, Russia, and the Orient in terms of spatial and inter-cultural relationships. Special consideration throughout the course to the necessity for logical and equitable use of natural resources. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

201. **PSYCHOLOGICAL BASIS FOR HUMAN BEHAVIOR.** Introduces the student to psychology as the science which studies the behavior and experience of living organisms, specifically human behavior and experience. Designed to contribute to understanding oneself and others and to contribute to solution of personal and social problems. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

- ✓ 302. GOVERNMENT. The intent is to provide (1) a general understanding of the concepts, functions, and operations of government (international, national, state, local) (2) a basis for development of desirable attitudes, critical thinking, and intelligent participation in political affairs. *Five class hours a week. Fall. Winter. Spring. Credit, five quarter hours.*

## SOCIOLOGY

301. INTRODUCTION TO SOCIOLOGY. An analysis of the development of human group life, the structure of the social environment and its influence upon the individual's behavior. *Five class hours a week. Fall. Spring. Credit, five quarter hours.*

302. HISTORY OF SOCIAL THOUGHT. A consideration of the development of sociological theories from classical to modern times, with special emphasis on recent and contemporary theories in Europe and America. *Five class hours a week. Fall quarter. Credit, five quarter hours.*

405. THE FAMILY. The role of the family in the development of the individual. Current psychological, economic, social, educational, and ethical problems of marriage and family life. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

451. MODERN SOCIAL PROBLEMS. Analysis of causes of poverty, disease, crime, family disintegration, and personality maladjustments. Correlation of preventive measures for human problems. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

452. TECHNIQUES OF SOCIAL INVESTIGATION. The techniques used in social research; case study, historical, logical, ecological, and statistical, their application to social data. *Five class hours a week. Credit, five quarter hours.*

453. CRIMINOLOGY. The sociological approach to crime. An investigation of the causes, nature, and extent of crime and the policies used in dealing with crime and the criminal. *Five class hours a week. Credit, five quarter hours.*

455. INTRODUCTION TO SOCIAL WORK. Orientation course in the history and field of social work; case work, group work, social services, social welfare, correctional services, and social welfare planning, as well as professional organization. *Five class hours a week. Credit, five quarter hours.*

## SPANISH

161-162-163. ELEMENTARY SPANISH. These courses are intended for students who have not studied the language previously. The work provides intensive practice in hearing, speaking, reading and writing simple, everyday Spanish. At least one hour per week will be spent in the laboratory. The courses are to be taken in sequence. *Five class hours a week. Fall, winter, spring. Credit, five hours each quarter.*

261-262. INTERMEDIATE SPANISH. These courses are intended for students who have had one year of college Spanish; and for students who have had two years of high school Spanish, and who pass an appropriate examination. The work provides a systematic and intensive review of the basic principles of the language and much practice in speaking and writing based on reading of moderately difficult prose. The courses are to be taken in sequence. Prerequisite: Spanish 163 or two years of high school Spanish. *Five class hours a week. Fall and winter. Credit, five quarter hours each quarter.*

263. SPANISH CONVERSATION AND COMPOSITION. This course is designed to help meet the need for citizens able to communicate with individuals whose only language is Spanish. The main purpose is to accustom the student to understand, speak, and write conversational Spanish. The course is conducted

primarily in Spanish. Topics of personal and local interest are discussed, as well as topics selected by the instructor. Prerequisite: Spanish 262. *Five class hours a week. Spring. Credit, five quarter hours.*

361-362. SURVEY OF SPANISH LITERATURE. These courses introduce the student to some of the principal authors, literary compositions, and ideas in the literature of Spanish-speaking countries. Conducted entirely in Spanish. The work consists of lectures, assigned readings, reports, and discussions. The courses are to be taken in sequence. Prerequisite: Spanish 262. *Three class hours a week. Fall and winter. Credit, three quarter hours each quarter.*

363. SPANISH CIVILIZATION. This course, conducted entirely in Spanish, seeks to acquaint the student with the principal contributions of Spain to Western civilization. Prerequisite: Spanish 262. *Four class hours a week. Winter. Credit, four quarter hours.*

364. ORAL COMMUNICATION. In this course the student further develops his ability to understand and to speak the language. It is conducted in Spanish. Discussion of topics of national and international interest found in Spanish newspapers and magazines and on radio and television programs. Prerequisite: Spanish 263. *Five class hours a week. Spring. Credit, five quarter hours.*

461. LITERATURE OF THE GOLDEN AGE. Lectures, readings, reports, and discussions on the principal authors of the XVIth and XVIIth centuries. Conducted in Spanish. Prerequisite: Spanish 362. *Five class hours a week. Fall. Credit, five quarter hours.*

462. LITERATURE OF THE XIXTH CENTURY. A study of the principal figures of the nineteenth century in the novel, the drama, and poetry—with special attention to Romanticism, Realism, Regionalism, and Modernism. Prerequisite: Spanish 362. *Five class hours a week. Winter. Credit, five quarter hours.*

463. SPANISH-AMERICAN LITERATURE. A study of the principal authors and literary types in the literature of Spanish America from its beginnings in the Colonial period to Modernism. Prerequisite: Spanish 362. *Five class hours a week. Winter. Credit, five quarter hours.*

## TEXTILES AND CLOTHING

152. ELEMENTARY TEXTILES. Study of the fundamental weaves, yarns, fibres, color and finishes, with reference to selection and care of fabrics for clothing and the home. *One class hour and two two-hour laboratory periods a week. Credit, three quarter hours.*

231. PRINCIPLES OF CLOTHING. Use of commercial patterns and fundamental processes in garment construction. Prerequisite: Elementary Textiles 152. *One class hour and two two-hour laboratory periods a week. Winter quarter. Credit, three quarter hours.*

300. GENERAL CLOTHING. Experience is provided in the use of commercial patterns, fitting and clothing construction based on a problem of personal interest. *One class hour and two two-hour laboratory periods a week. Credit, three quarter hours.*

315. FAMILY AND CHILDREN'S CLOTHING. Designed to help students gain further experience with clothing problems in families, with special emphasis on the changing needs of growing children. There is opportunity for planning of special projects to meet the individual students' needs; for cooperating in a study of clothing requirements of preschool children; for developing more skill in selection, construction, remodeling, and repair of clothing. *Two class hours and three two-hour laboratory periods a week. Fall quarter. Credit, five quarter hours.*

351. ADVANCED DRESSMAKING. Advanced problems in clothing construction, including some tailoring and selected dress construction. Prerequisite:



Clothing 231. *One class hour and three two-hour laboratory periods a week. Winter. Spring. Credit, four quarter hours.*

400. TAILORING. A continuation of the tailoring in Clothing 351. More advanced problems using hard finished materials—at least three garments made with emphasis on workmanship. Prerequisites: Clothing 152, 231, 351. *One class hour and three two-hour laboratory periods a week. Fall quarter. Credit, four quarter hours.*

410. DRAPING AND DRESS DESIGN. Intended to develop skill in the draping of garments. Designs repeated from original sketches or fashion models. Prerequisite: Art 130, Clothing 231, 351, or equivalents. *One class hour and two two-hour laboratory periods a week. Winter. Spring. Credit, three quarter hours.*

415. MILLINERY. A course in simple hat designing; students learn to make hats to fit the facial contour. The use of materials suitable for the personal wardrobe. Prerequisites: Clothing 152, 231. *One class hour and two two-hour laboratory periods a week. Fall quarter. Credit, three quarter hours.*

420. CHILDREN'S CLOTHING. A study of clothing requirements of children; problems in planning, selection, care, and making of children's garments. Emphasis placed on hygienic qualities, comfort, and workmanship for the growing child. *Three two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

450. ADVANCED TEXTILES. A study of factors which predetermine fabric appearance, cost, care, serviceability, and performance in use. Analysis based on appropriate physical and chemical tests for quality differences in fabrics due to variation of fibers, content, structure, and finishes. The suitability of fabrics for specified uses. *One class hour and two two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

463. PROBLEMS IN CLOTHING. *One class hour and two two-hour laboratory periods a week. Winter quarter. Credit, three quarter hours.*

464. ADVANCED PROBLEMS IN CLOTHING. Special problems for special figure types, and family clothing problems and care. Opportunity provided for creating individual designs. Prerequisites: Clothing 231, 351, 400, 463. *Three two-hour laboratory periods a week. Spring quarter. Credit, three quarter hours.*

465. FIELD PROBLEMS IN CLOTHING AND MERCHANDISING. Practical experience for textiles and clothing majors in local store situations. Opportunities to obtain training in merchandising and commercial procedures for local and chain store operation. *One class hour and five two-hour laboratory periods a week. Credit, six quarter hours.*

## TRADE AND INDUSTRIAL EDUCATION

203. TECHNIQUES OF TEACHING SHOPWORK. An introductory course for prospective teachers of trade and industrial subjects, involving practical methods, selection, responsibilities and organization of instruction. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

205. PROBLEMS IN VOCATIONAL EDUCATION. The history, nature, purpose, and problems of vocational education in various types of vocational training institutions. *Five class hours a week. Spring quarter. Credit, five quarter hours.*

305. VOCATIONAL GUIDANCE. The meaning, purpose, and problems of vocational guidance, and its relationship to the industrial worker. *Three class hours a week. Spring quarter. Credit, three quarter hours.*

310. INDUSTRIAL HISTORY. A study of American industries and statistics bearing on their growth, distribution, labor, economic and social influence. *Five class hours a week. Fall. Winter. Credit, five quarter hours.*



311. **TRADE ANALYSIS.** Fundamental principles in analyzing a trade. *Five class hours a week. Fall. Spring. Credit, five quarter hours.*

313. **INDUSTRIAL EDUCATION CURRICULUM.** Principles, materials and methods of curriculum making for various types of industrial education courses. *Three class hours a week. Fall. Spring. Credit, three quarter hours.*

327. **BUILDING SUPERINTENDENCE.** Technical knowledge, methods, routine work, handling men. *Three or five class hours a week. Spring quarter. Credit, three or five quarter hours.*

410. **INSTRUCTIONAL AIDS.** Writing instruction sheets emphasized, based upon duty analysis, trade and occupational analysis. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

411. **SHOP MANAGEMENT.** Sources of materials, purchases, cost inventories, installation, maintenance, and safe operation of machinery; storage and issuing of tools and supplies; financial accounts, and the disposal of products. *Five class hours a week. Winter quarter. Credit, five quarter hours.*

412. **INDUSTRIAL HYGIENE.** A study of industrial accidents and their social and economic consequences. The application of health fundamentals to the comfort of the workman; housing—factory and home; cleanliness and sanitation; heat, ventilation, lighting, and first-aid. *Three class hours a week. Spring quarter. Credit, three quarter hours.*

413. **METHODS OF TEACHING INDUSTRIAL SUBJECTS.** Methods and techniques for shop classes; discussion of lesson plans; demonstration, drills, grading reports, records, standards of workmanship, and the writing of instruction sheets. *Five class hours a week. Fall. Spring. Credit, five quarter hours.*

416. **MODERN TECHNIQUES OF EVALUATION.** Designed to acquaint students with the relationship between evaluation techniques and the curriculum. The intent is to develop competency in test construction and in the evaluation of classroom tests as well as other techniques of appraisal common to elementary and secondary schools. Consideration of intelligence tests, achievement tests, aptitude and interest tests, personality tests, types of scores, marking systems, test selection, testing programs and uses of results of evaluation. *Five class hours a week. Credit, five quarter hours.*

441. **DIRECTED STUDENT TEACHING IN THE SECONDARY SCHOOL.** *Four class hours and twelve hours a week directed student teaching. Winter quarter. Credit, ten quarter hours.*

446. **SEMINAR.** *Five class hours a week. Winter quarter. Credit, five quarter hours.*

## ACADEMIC REGULATIONS

Attendance at this college is a privilege, not a right, and students are expected at all times to conduct themselves in a proper and honorable manner. The following faculty rules have been enacted; students are required to familiarize themselves with these rulings and any subsequently made effective.

The right is reserved by the Regents, administration and faculty to make changes at any time in requirements for admission, curriculum, fees, or any rules and regulations.

### ATTENDANCE

In classroom exercises, laboratories, related requirements, and shop work, Savannah State College provides for students the facilities, materials, staff, and conditions of training, learning, and creative activity. It is essential that each student share fully in the educational experiences thus provided. Therefore, to help students towards realizing the greatest possible benefit from opportunities here afforded, the college has set up general attendance requirements. These requirements are detailed in the Student Handbook, which may be obtained upon request at the Office of the Chairman of Student Personnel Services. When a student enrolls in residence courses, he accepts full responsibility for informing himself as to the meaning of these regulations and for strict adherence to the attendance requirements.

### THE GRADING SYSTEM

The college uses letters to indicate quality of academic work. A is the highest grade; D the lowest passing grade. Grade distinctions and quality point values are:

Grade	Meaning	Quality Point Value
A	Excellent	4 per credit hour
B	Good	3 per credit hour
C	Average	2 per credit hour
D	Poor	1 per credit hour
F	Failure	0 per credit hour

The grade D denotes poor work. Though accepted as a passing grade, D does not represent satisfactory achievement, and is not accepted toward a student's major or minor. Like the higher grades, it is final and cannot be raised by make-up work or examination. The entire course may, however, be repeated for a higher grade. At no time, however, may credit be received more than once for the same course.

The grade F indicates that the student has failed to meet minimum requirements of the course. A student may convert an F into a higher grade only by repeating the course.

*To be granted a degree from this institution every student shall have a cumulative average of C (2.00), or higher, on all courses required in his curriculum.*

## GRADES FOR INCOMPLETE COURSES AND WITHDRAWAL FROM CLASSES

The college uses letters to denote also incomplete courses and withdrawal from classes. These grades have no quality point value.

The grade I indicates that the student has not completed the work of the course. The I denotes further:

- a. That the student remained in the class until near the end of the quarter.
- b. That, though incomplete, the student's work while he remained in the class was of D grade or better.
- c. That either by examination or additional work the student may complete the course on or before the days scheduled for removal of incomplete grades, during the next quarter of residence.

The grade W indicates that the student officially withdrew from the class before the end of the quarter. This grade carries the following distinctions:

- a. W indicates that the student has been in the class such few times, (in general, fewer than ten class periods) that the teacher can give no qualitative grade.
- b. WP indicates that the student has attended class ten or more times and that he was doing satisfactory work when he officially withdrew.
- c. WF indicates that the student has attended class ten or more times, and that his work was below minimum requirements when he officially withdrew.

## CHANGES IN GRADES

Once an instructor has reported a grade to the Registrar, the instructor may change the grade under the following express conditions:

1. An instructor may change an I (Incomplete) to any grade within the quarter when the student is next enrolled in residence. An I automatically becomes F if it is not removed within the quarter when the student is next enrolled in residence.
2. An instructor may change any grade to another grade within one month after the initial report, upon presenting to the Dean of Faculty conclusive documentary proof that the previous grade was reported through an error in transcription.

## CALCULATING A STUDENT'S SCHOLASTIC AVERAGE

A student's scholastic average is computed by dividing the number of quarter hours academic credit completed with passing and failing (final) grades into the number of quality points earned.<sup>1</sup> When a stu-

<sup>1</sup>When a student changes his major, only required and elective courses counted toward graduation are included in this calculation.

dent repeats a course, the credit and quality points previously earned in the course are automatically cancelled in computing the student's scholastic average.<sup>1</sup> The grade and quality points earned upon repetition of the course supersede the previous grade and points, and are final. When the grade F is a final grade, the nominal credit of the course—together with 0 (zero) quality point per hour of nominal credit—is counted in calculating the cumulative average.

## CLASSIFICATION OF STUDENTS

A student will be classified as a freshman, sophomore, junior, or senior, according to the number of quarter hours of work that he has completed with an average grade of C or above. A student who has completed fewer than 45 hours and fewer than 90 quality points in courses counted toward graduation will be classified as a freshman. A student will be entitled to register as a sophomore when he has completed with an average grade of C at least 45 hours; as a junior when he has completed with at least a C average 90 hours; and as a senior when he has completed with at least a C average 135 hours.

The classification under which a student registers at the beginning of the academic year will continue throughout that year.

## SCHOLARSHIP STANDARDS

Savannah State College is operated for students who demonstrate ability and disposition to profit by college work. Students who maintain averages of C, or above C, are deemed in good scholastic standing. Those who fall below C are regarded as deficient and liable to scholastic discipline. Following are minimum standards of scholastic achievement and regulations governing retention:

1. Any student at the end of 45 quarter hours of college work must have maintained a minimum average of 1.20. Failing to do so, the student will be placed on probation for one quarter. During this probationary period the student must bring his average up to 1.20. If he fails to do so he will be asked to withdraw from the institution.
2. At the completion of 90 quarter hours of work the student shall have maintained an average of 1.80. Failing to do so, he will be placed on probation for one quarter. At the end of this period he must have achieved the minimum average of 1.80, or he will be asked to withdraw from the institution.
3. A student who has completed 135 quarter hours of college work shall have maintained an average of 2.00. There will be no period of probation for a student who has completed 135 hours. When a student's cumulative average at this level falls below 2.00 he will be asked to withdraw from the institution.

<sup>1</sup>All courses and grades of a student are entered upon the student's permanent record, retained thereon, and certified on his transcript.



4. Any student whose scholastic average is unusually low during any quarter's work, may be asked to withdraw from the institution.

*A student who has been twice dismissed from the college may not be readmitted.*

### ACTION ON SCHOLASTIC DEFICIENCIES

1. At the end of each quarter the Registrar shall submit to the Dean of Faculty the names of students who have failed to meet minimum scholarship requirements.
2. The Dean of Faculty shall study the records of students so listed and recommend to the Faculty or the Administrative Council the action to be taken in each case.
3. A student dropped for poor scholarship shall be notified in person by the Dean of Faculty. In instances when the student is under 21 years of age, a special letter will be written to parents or guardians, explaining the status of the student.
4. Division directors, departmental heads, and the Registrar shall be informed of all students in this category.

### RECOGNITION FOR EXCELLENCE IN SCHOLARSHIP

Persons who have not been subject to disciplinary action while earning superior grades, and who, likewise, have not incurred any academic deficiency, are eligible for honors status as here indicated:

1. Students who maintain an average of B in not less than a normal load during a given quarter are eligible for listing on the college honor roll.
2. Students who maintain an average of 3.50, or higher, on a full program in a quarter will have their names placed on the Dean's List for the following quarter.
3. Students maintaining an average of 3.50 or higher, with no grade below C during any quarter shall not be required to adhere to the class attendance regulations during the following quarter.
4. Students who maintain an average of B during any quarter may secure permission to take additional hours during the following quarter, the total not to exceed twenty hours.

### GRADUATION HONORS

If a student maintains an average of 3.00 during his four years in college, he will be graduated *Cum Laude*. If a student maintains an average of 3.50 or above, he will be graduated *Magna Cum Laude*. If a student maintains an average of 4.00, he will be graduated *Summa Cum Laude*. A student must have matriculated at Savannah State College for at least three years to receive his degree *Summa Cum Laude*, two years for *Magna Cum Laude*, and two years for *Cum Laude*.

## ADVISERS TO STUDENTS

Each student is assigned to a member of the faculty for counselling during the freshman and sophomore years. In the case of senior level students, the professor in charge of the student's major concentration automatically becomes his adviser. The duties of the adviser are to assist the student in selecting his subjects, to aid him in interpreting the requirements, to guide him in important matters. In case of any proposed change in his program, a student should consult his adviser, who will judge the reason for the change and make recommendation to the Dean of Faculty. The responsibility for selection of courses rests, in the final analysis, upon the student. It is the primary duty of the student to meet the requirements of his curriculum, so that he may not in his senior year find himself unable to graduate. A request from the adviser to the student for conference should be promptly complied with.

## STUDENT LOAD

Under ordinary circumstances, a student may not in any quarter register for an academic credit load exceeding the normal requirement of his classification and major. As indicated under *Recognition for Excellence in Scholarship—section 4*, exceptions are permissible, however, to superior students. Also a candidate for graduation who has no scholastic deficiency may enroll for credit in one additional course, the total load not to exceed twenty quarter hours, if lack of such course would hinder the student from graduating on schedule. In any event, a student will be allowed no credit for an overload unless such overload has the formal, express approval of both the student's adviser and the Dean of Faculty.

When illness or necessary outside work or other valid reason prevents a student from devoting full time to study, he may reduce his academic load upon recommendation of his adviser and approval by the Dean of Faculty. The College Calendar lists dates for program changes.

All regular and all terminal students are required to pursue courses in the prescribed order. Special students will pursue the courses agreed upon in conference with their advisers. In case of temporary irregularity due to failure, or other causes, the student shall select such courses as will enable him to conform to his curriculum as quickly as possible.

Deficiencies in required courses take precedence over other courses. Any student who earns a D or an F in a major, minor, professional education, or special subject requirement must forthwith repeat the course.

## STUDENT CONDUCT

Each student enrolled at Savannah State College is expected at all times to exemplify a due respect for order, morality, and the rights of others.

The college reserves the right to exclude at any time any student whose conduct is deemed improper or prejudicial to the welfare of the college community.

### PROCEDURE FOR WITHDRAWAL

A student who wishes to withdraw must secure permission to withdraw from the college. The procedure for withdrawal is as follows:

1. The student must secure forms for withdrawal from the Office of Student Personnel and confer with the Director of Student Personnel.
2. The student will then confer with the Dean of Faculty and secure his endorsement of the request for withdrawal.
3. The student will then take the request for withdrawal to the Registrar for final action.

Students ill at home or otherwise not able to follow this procedure should write or have someone write to the Director of Student Personnel, requesting permission to withdraw.

Students who withdraw without giving formal notice will forfeit claims for any refunds and will automatically become subject to the penalties applicable to excessive absence from classes.\*

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\*See page 32 for regulations governing refund of fees.

# BACHELOR OF SCIENCE DEGREES CONFERRED ON JUNE 6, 1961

## DIVISION OF BUSINESS ADMINISTRATION

### ACCOUNTING

Marilyn R. Ellis ..... Dawson

### GENERAL BUSINESS ADMINISTRATION

Yvonne L. Berry ..... Collins  
 Eddie W. Bryant, Jr. .... Macon  
 Elise Bryant ..... Savannah  
 William R. Burton ..... Savannah  
 Lee Earnest Dewberry ..... Rome  
 Mazalene Amanda Gant ..... Savannah  
 Laura Garvin ..... Savannah  
 Barbara Deloris Jordan ..... Savannah  
 Mary Lou Kelley ..... McIntosh  
 Richardine Ralph King ..... Savannah  
 Alphonso S. McLean ..... Savannah  
 William L. Pompey ..... Valdosta  
 Daisy Beatrice Saxby ..... Savannah  
 Theotis Underwood ..... Dublin

## DIVISION OF EDUCATION

### ELEMENTARY EDUCATION

\*Cynthia Rhodes Baker ..... Savannah  
 Dorothy Lee Brown ..... Savannah  
 Isabella Eloise Chance ..... Sardis  
 Marilyn Cole ..... Savannah  
 Marvelyn L. Davis ..... Statesboro  
 Kay Hamilton ..... Savannah  
 Cornelia R. Johnson ..... West Point  
 Minnie Lee Jones ..... Savannah  
 Pauline E. Jordan ..... Savannah  
 Carolyn Luten ..... Savannah  
 Eldora Loretta Manning ..... Savannah  
 Bobbie Lee Pender ..... Blackshear  
 Louise Philson ..... Savannah  
 Geneva Redmond ..... Savannah  
 Nellie Mae Shellman ..... Richmond Hill  
 Rosalee Simmons ..... Savannah  
 Minnie Ruth Smith ..... Savannah  
 Lillian Solomon ..... Kathleen  
 Lula Mae Thompson ..... Savannah  
 Leola Trobridge ..... Lyons  
 Lula Mae Young ..... Savannah

### SECONDARY EDUCATION

Mary Essie Anderson ..... Brunswick  
 \*Eva Curry Boseman ..... Savannah  
 David Lee Brown ..... Savannah  
 Nina Ruth Butts ..... Mayfield  
 Gloria Virginia Byrd ..... Hogansville  
 Mildred Gissentanner ..... Savannah  
 William Golden ..... Augusta  
 Mamie Lee Taylor Gordon ..... Climax  
 Thelma Ree Griffin ..... Madison  
 Bobby E. Hardy ..... Newnan

\*Cum Laude.



Samuel B. Harris .....	Savannah
Rudine Holmes .....	Tifton
Lois Elizabeth Hughes .....	Dublin
Ruby L. Huiett .....	Glennville
Mattie F. Jackson .....	Savannah
Lavinia Ware Jenkins .....	Savannah
Helen M. Johnson .....	Wrens
Bertha Kornegay .....	Hazlehurst
*Gladys Lambert .....	Savannah
James C. Lawson .....	Jackson
*Geraldine Y. Lindsey .....	Bainbridge
Mary K. McFall .....	Savannah
**Yvonne Elizabeth McGlockton .....	Savannah
Gloria Ann Odum .....	Atlanta
Jocile Phillips .....	Waycross
Robert M. Porter .....	Savannah
Mary C. Rosebud .....	Cairo
Hazel Scott .....	Savannah
*Ruby L. Sims .....	Macon
Evelyn Thomas .....	Dublin
Charles Tootle .....	Savannah
Celestine J. Weston .....	Savannah
Christine White .....	Pelham
David L. White .....	Savannah
Betty Jean Williams .....	Savannah

## HEALTH, PHYSICAL EDUCATION AND RECREATION

Hattie R. Burton .....	Savannah
Jesse Carter .....	Macon
Margaret Dawson .....	Pelham
William Hall .....	Glennville
Essie Sheffield .....	Brunswick
Evouous Thomas .....	Savannah
Johnny W. Williams .....	Coolidge

## DIVISION OF HUMANITIES

## LANGUAGES AND LITERATURE

Eleanor E. Johnson .....	Savannah
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## DIVISION OF NATURAL SCIENCES

## BIOLOGY

Mary Annette Barnes .....	Columbus
Emily S. Chisholm .....	Savannah
Reuben L. Gamble .....	Vidalia
Marvin Lee Green .....	Savannah
Lu James Groover .....	Savannah
Elbert Hicks .....	Savannah
Nathan Marlowe Kight .....	Folkston
Harry Richardson .....	Savannah

## MATHEMATICS

*Percy Byrd .....	Hogansville
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## HOME ECONOMICS

Lucille Lawton .....	Savannah
Drucilla W. Moore .....	Savannah
Bettye Jean Render .....	Hogansville
Marguerite Tiggs .....	Savannah

\*Cum Laude.

\*\*Magna Cum Laude.

# BACHELOR OF SCIENCE DEGREES CONFERRED ON AUGUST 16, 1961

## DIVISION OF BUSINESS ADMINISTRATION

### GENERAL BUSINESS ADMINISTRATION

Lula Mae Guyton Culver .....	Glenwood
*Dessie Simmons Dent .....	Tennille
Otta Frances Flagg .....	Macon
Marilyn Freeman .....	Hogansville
Elvenia Hughes .....	Dublin
Jesse Kearse II .....	Savannah
Mary Virginia Norris .....	Savannah
Rosemary Singleton .....	Savannah

## DIVISION OF EDUCATION

### ELEMENTARY EDUCATION

Pharestine Rhodes Simpson Appling .....	Brunswick
Zellean Louise Baker .....	Savannah
Ruby Dell Brock .....	Statesboro
Edith Louise Brown .....	Savannah
Jamie L. Bailey Bryant .....	Savannah
Betty Jo Bynes .....	Walterboro, S. C.
Clementine Patrick Campbell .....	Savannah
Alice Eady .....	McRae
Earline C. Frazier .....	Savannah
Theresa T. Heard .....	Savannah
Vergilene R. Jones .....	McRae
Carrie S. Lynch .....	Swainsboro
Mamie Jenkins Mincey .....	Statesboro
Frances H. Nichols .....	Washington
Mildred Brewster Rosser .....	Savannah
Susie D. Stone .....	Washington
Geraldine K. Williams .....	Savannah
Dorothy C. Winn .....	Savannah

### SECONDARY EDUCATION

Barnard E. Berry .....	Glennville
*Carolyn Campbell .....	Savannah
Charles Dailey .....	Savannah
Hellyn Louise Dailey .....	Valdosta
Elizabeth Dupree .....	Savannah
Johnny Lee Everson .....	Meridian
Carolyn West Hayes .....	Savannah
L. J. McDaniel .....	Cartersville
Raymond M. McKinley .....	Augusta
**Virginia Annette Mercer .....	Pulaski
Hazel Mungin .....	Waynesville
Jean E. Quarterman .....	Walthourville
Sara Margaret Revels .....	Thomasville
Theodore Ware .....	Savannah
*Geraldine Williams .....	Columbus

## HEALTH, PHYSICAL EDUCATION AND RECREATION

Rosalee B. James .....	Savannah
Donell Woods .....	Allenhurst

\*Cum Laude.  
\*\*Magna Cum Laude.

## DIVISION OF NATURAL SCIENCES

## BIOLOGY

Ada Carol Coxon .....Savannah

## MATHEMATICS

Kier Ellison .....Savannah

\*Willie J. Mazeke .....Savannah

## DIVISION OF SOCIAL SCIENCES

## SOCIAL SCIENCE

Maryel E. Graham Hurst .....Savannah

## SUMMARY OF ENROLLMENT

## RESIDENCE ENROLLMENT BY CLASSES

	Men	Women	Total
Senior Class .....	72	108	180
Junior Class .....	69	104	173
Sophomore Class .....	102	152	254
Freshman Class .....	259	388	647
Unclassified .....	1	4	5
	<hr/>	<hr/>	<hr/>
	503	756	1,259

## ENROLLMENT FOR THE SUMMER QUARTER 1961

Men	Women	Total
163	343	506

Home Study Enrollment, 1960-1961 .....	308
Total enrollment for the year 1960-1961 .....	2,073



SAVANNAH STATE COLLEGE HAS INSTITUTIONAL  
MEMBERSHIP IN THE FOLLOWING:

Adult Education Association of the U. S. A.

American Alumni Council

The American Association of College and University Business  
Officers

American Association of Collegiate Registrars and Admission  
Officers

American Association of Colleges for Teacher Education

American College Public Relations Association

American Council on Education

American Association of School Administrators

American Library Association

Association for Colleges and Secondary Schools

Association of State Colleges and Universities

The College Language Association

College and University Personnel Association

Laboratory School Administrators Association

National Association of Collegiate Deans and Registrars

National Commission on Accrediting

Southern Association of Colleges and Schools





